Exhibit 23

MAS TEM Coefficient of Variation for Tremolite and Anthophyllite in Talc A Quality Control Study

9-6-18

Purpose •

The purpose of this Quality Control study was to determine the MAS TEM analysis coefficient of variation (CV or relative standard deviation RSD) after spiking cosmetic grade talc powder with tremolite and anthophyllite asbestos standard reference material (SRM).

Materials and Methods

Talc powder samples spiked with a known amount of tremolite and anthophyllite were produced as follows. A 1.0 gram sample of cosmetic grade talc powder was heated in a muffle furnace at $400 \pm 5^{\circ}$ C for a minimum period of 4 hours in order to remove any bound organic material. Tremolite (NIST SRM 1867 Tremolite) and anthophyllite (NIST SRM 1867 Anthophyllite) asbestos were then added to the talc powder to obtain a concentration of 0.3 % asbestos by weight. The spiked sample was thoroughly mixed in a ball mill for 5 minutes.

Approximately 20 mg of a spiked talc sample was added to 1.2 mL of heavy density liquid (lithium metatungstate, sodium polytungstate, or equivalent heavy liquid), adjusted to a density of 2.85g/ml) in a 1.5 mL conical micro centrifuge tube. Using a disposable stir rod, the spiked talc sample was dispersed in the heavy liquid by macerating the solids between the inside of the centrifuge tube and the rod. The sample was then shaken by hand to ensure even distribution in the liquid. Bubbles in the liquid were removed after 15 minutes in a low vacuum chamber at 8 Torr. Sample tubes were centrifuged at approximately 9000 rpm for 90 minutes according to ISO-22262-2 (1). Tubes were frozen in liquid nitrogen, then the tip containing the frozen pelleted solids was removed with a pre cleaned steel cleaver and transferred to 45 mL deionized distilled H2O in a 60 mL centrifuge tube. The tube was capped, shaken by hand five times and then the contents were filtered through a 0.2 – 0.8 um polycarbonate filter followed by an additional 50-100 mL of DI H2O. The PC filter was dried and prepared for TEM analysis.

Sample filters were analyzed by TEM at 100 KeV and 20,000 magnification for asbestos and talc. A total of 25 of the same grid squares grid squares were analyzed for tremolite and anthophyllite asbestos by each of four TEM analysts. Tremolite and anthophyllite asbestos structures measuring 0.5 um or greater with 5:1 aspect ratios and substantially parallel sides were counted according to the asbestos definition structure sizing rule as stated in the standard TEM protocols (AHERA (TEM section only) ASTM D5755, D5756, D7712-11, ISO 10312, ISO 13794, (2-7)) after verifying the chemistry by EDS and the selected area diffraction pattern (SAED) of each structure. The average (Ave) number of asbestos structures in 25 grid squares were determined for all four analysts along with the standard deviation (SD). The coefficient of variation (CV or RSD) as a percentage was then determined according to the following equation (8, 9).

$$CV = 100 \text{ X} \frac{\text{SD}}{\text{Ave}}$$

Results

Results from the TEM analysis of the spiked talc powder samples are shown in Table 1 and Table 2 that follow. Table 1 shows that for the 0.3% tremolite spiked talc sample, the fiber-bundle concentration ranged from 3.2×10^5 to 3.55×10^5 structures of tremolite per gram of talc. For the 0.3% anthophyllite spiked sample, the fiber-bundle concentration ranged from 4.9×10^5 to 5.39×10^5 structures of anthophyllite per gram of talc. Table 2 shows the average (Mean) standard deviation and the CV for the analysis of each of the asbestos spike samples. The mean for the tremolite spiked sample 3.38×10^5 and the SD was 2.0×10^4 structures per gram of talc. The CV was 5.99%. The mean for the tremolite spiked sample 5.14×10^5 and the SD was 2.8×10^4 structures per gram of talc. The CV was 5.50%.

TABLE 1 Total Structures and Structures per gram of Tremolite and Anthophyllite in Talc Powder Samples

		Str/g					
Sample	Component	Analyst 1	Analyst 2	Analyst 3	Analyst 4		
			_				
0.3%	Tremolite	3.20E+05	3.55E+05	3.20E+05	3.55E+05		
			•				
0.3%	Anthophyllite	4.90E+05	5.39E+05	4.90E+05	5.39E+05		

TABLE 2 Average, SD and CV for the TEM Analysis of Tremolite and Anthophyllite in Talc Powder Samples

		Str/g					
Sample	Component	Mean	STD	CV (%)			
		· ·					
0.3%	Tremolite	3.38E+05	2.0E+04	5.99			
0.3%	Anthophyllite	5.14E+05	2.8E+04	5.50			

Data for the calculation of the CV and Tables 1 and 2 are shown in Appendix 1.

REFERENCES

- 1. ISO 22262-2, 2014-09-01
- 2. EPA AHERA-Part 763 Asbestos (TEM Section Only)
- 3. ASTM D7712-11 Standard Terminology for Sampling and Analysis of Asbestos
- 4. ASTM D5755 Test Method for Microvacuum Sampling and Indirect Analysis of Dust by Transmission Electron Microscopy for Asbestos Structure Number Surface Loading

Case 3:16-md-02738-MAS-RLS Document 10712-7 Filed 10/07/19 Page 4 of 104 PageID: 100214

- 5. ASTM D5755 Test Method for Microvacuum Sampling and Indirect Analysis of Dust by Transmission Electron Microscopy for Asbestos Structure Number Surface Loading
- 6. ISO 10312 Ambient air -- Determination of asbestos fibres -- Direct transfer transmission electron microscopy method
- 7. ISO 13794 Ambient air -- Determination of asbestos fibres -- Indirect-transfer transmission electron microscopy method
- 8. Heisler, S.I. (ed) In Economics/Statistics. Wiley Engineer's Desk Reference. p 456. John Wiley and Sons, New York, NY, (1998).
- 9. Average, Standard Deviation and Relative Standard Deviation. http://www.chem.tamu.edu/class/fyp/keeney/stddev.pdf

APPENDIX 1

		TEN	f Bulk Talc Structure C	ount Sheet		
Project/ Sample No.	M65947-001 0.3% Tremolite in Talc		Grid Box #	8617	No. of Grids Counted	2
Analyst:	Analy	st 1		Length	Width	G. O. Area
Date of Analysis	7/16/2018		G. O. in microns =	105	105	11025
Initial Weight(g)	0.020)55	G. O. III microns =	105	105	11025
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	25%	G.O.s Counted	25
3	Screen Magnification	20 KX	Area Examined mm²			0.276

Str. #	Caid Onnian	Structure	Asbestos	f a sauth	1685-111-	m.u.	0450	
NSD	Grid Opening A8-E1	Structure	Туре	Length	Width	Ratio	SAED	EDS
								_
NSD	A8-E10							
11	A8-E2	Bundle	Tremolite	8.9	1.4	6.4	х х	X
NSD	A8-E3							
2	A8-E4	Fiber	Tremolite	6.6	0.2	33.0	X	X
3	A8-E5	Bundle	Tremolite	10	1	10.0	Х	X
NSD	A8-E6	-				·		
4	A8-E7	Fiber	Tremolite	6.9	1.3	5.3	X	X
5	A8-E8	Bundle	Tremolite	15.3	1.1	13.9	X	X
6	A8-E9	Bundle	Tremolite	43.2	6.9	6.3	Х	Х
NSD	A8-F10							
7	A8-F2	Bundle	Tremolite	9	1,4	6.4	Х	X
NSD	A8-F3							
NSD	A8-F4							<u> </u>
NSD	A8-F5							
8	A8-G1	Bundle	Tremolite	18.9	1.2	15.8	Х	Х
NSD	A8-G10		. ,,					
NSD	A8-G2							
NSD	A8-G3							
NSD	A8-G4							
NSD	A8-G5			-				—
9	A8-G6	Bundle	Tremolite	4.9	0.92	5.3	x	X
NSD	A8-G7							
NSD	A8-G8							
N\$D	A8-G9							
								1 .

Org, Sample Wt.	Sample Wt. Post HL Separation	
0.02055	0	g
Percent of		1
Orig. Post		
Separation	0	(%)
Wt. Of		1
Sample		
Analyzed	0.00002817	g
Filter size	201.1	mm²
Number of		1
Structures		
Counted	9	Str.
Structures		i
per Gram of		
Sample	3.20E+05	Str./g

Detection Limit	3.55E+04	Str./g
Analytical Sensitivity	3.55E+04	Str./g

Digitally signed by MW Rigler, Ph.D. Reviewer /Date Date: 2018.09.06 14:29:27 -04'00'

		TEM	Bulk Talc Structure C	ount Sheet		
Project/ Sample No.	M65947-001 0.3% Tremolite in Talc		Grîd Box#	8617	No. of Grids Counted	2
Analyst:	Analys	st 2		Length	Width	G. O. Area
Date of Analysis	7/19/2018		G. O. In microns =	105	105	11025
Initial Weight(g)	0.020	0.02055	G. O. In microns =	105	105	11025
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	25%	G.O.s Counted	25
3	Screen Magnification	20 KX	Area Examined mm²			0.276

Str.#	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
NSD	A8-E1							
NSD	A8-E10		1		·			
1	A8-E2	Fiber	Tremolite	8	1.5	5.3	· X	Х
NSD	A8-E3							
2	A8-E4	Fiber	Tremolite	6.4	0.2	32.0	X	X
3	A8-E5	Bundle	Tremolite	10	0.8	12.5	X	Х
NSD	A8-E6		1					
4	A8-E7	Bundle	Tremolite	6.4	1	6.4	X	X
5	A8-E8	Fiber	Tremolite	15	0.9	16.7	X	X
6	A8-E9	Bundle	Tremolite	43	6	7.2	X	X
NSD	A8-F1							1
7	A8-F2	Bundle	Tremolite	8.4	1.3	6.5	X	X
NSD	A8-F3							
NSD	A8-F4							
NSD	A8-F5							1
8	A8-G1	Bundle	Tremolite	10.4	1	10.4	Х	X
NSD	A8-G10						•	
NSD	A8-G2							
NSD	A8-G3							T
NSD	A8-G4							-
9	A8-G5	Bundle	Tremolite	5.8	0.8	7.3	Х	Х
10	A8-G6	Fiber	Tremolite	4.8	0.8	6.0	Х	×
NSD	A8-G7		i					
NSD	A8-G8		1					1
NSD	A8-G9							

Org. Sample Wt.	Sample Wt. Post HL Separation	
0.02055	0	g
Percent of		1
Orig. Post		
Separation	0	(%)
'		,
Wt. Of		1
Sample		
Analyzed	0.00002817	g
Filter size	201.1	mm²
Number of		
Structures		
Counted	10	Str.
Structures		
per Gram of		
Sample	3.55E+05	Str./g

Detection Limit	3.55E+04	Str./g
Analytical Sensitivity	3.55E+04	Str./g

Digitally signed by MW Rigler, Ph.D. Reviewer /Date Date: 2018.09.06_14:29:40_04'00'

		TEI	VI Bulk Talc Structure C	ount Sheet		
Project/ Sample No.	M65947-001 0.3% Tremolite in Talc		Grid Box #	8617	No, of Grids Counted	2 .
Analyst:	Analys	st 3		Length	Width	G, O, Area
Date of Analysis	7/16/2	7/16/2018		105	105	11025
Initial Weight(g)	0.020	55	G. O. in microns =	105	105	11025
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	25%	G.O.s Counted	25
3	Screen Magnification	20 KX	Area Examined mm²			0.276

Str.#	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
NSD	A8-E1							
NSD	A8-E10							Т
1	A8-E2	Fiber	Tremolite	8.1	1.44	5.6	X	X
NSD	A8-E3							
2	A8-E4	Fiber	Tremolite	6.62	0.24	27.6	Х	X
3	A8-E5	Bundle	Tremolite	9.89	0,92	10.8	X	X
NSD	A8-E6							T
4	A8-E7	Fiber	Tremolite	6.94	1.3	5.3	×	X
5	A8-E8	Bundle	Tremolite	15.56	1.42	11.0	X	Х
6	A8-E9	Bundle	Tremolite	45.6	7.5	6.1	×	×
NSD	A8-F1							
NSD	A8-F10						•	
7	A8-F2	Fiber	Tremolite	8.82	1.47	6.0	х	X
NSD	A8-F3							
NSD	A8-F4							
NSD	A8-F5							
8	A8-G1	Bundle	Tremolite	19.68	1.45	13.6	Х	Х
NSD	A8-G10							1
NSD	A8-G2							
NSD	A8-G3					ĺ		
NSD	A8-G4							1 -
NSD	A8-G5			ĺ				
9	A8-G6	Bundle	Tremolite	5.34	1.02	5.2	X	X
N\$D	A8-G7							
NSD	A8-G8							T
NSD	A8-G9		1					T

Org. Sample	Sample Wt. Post	
Wt.	HL Separation	
0.02055	0	g
Percent of		}
Orig. Post		1
Separation	0	(%)
•		
Wt. Of		l
Sample		
Analyzed	0.00002817	g
Filter size	201,1	mm²
Number of		i
Structures		
Counted	9	Str.
Structures		1
per Gram of		
Sample	3.20E+05	Str./g

ı		1
Detection Limit	3.55E+04	Str./g
Analytical Sensitivity	3.55E+04	Str./g

Digitally signed by MW Rigler, Ph.D. Reviewer /Date Date: 2018 09 06 14:29:53 -04:00'

		TE	M Bulk Taic Structure C	ount Sheet		
Project/ Sample No.	M65947-001 0.3% Tremolite in Talc		Grid Box#	8617	No. of Grids Counted	2
Analyst:	Analy	st 4		Length	Width	G. O. Area
Date of Analysis	7/11/2018 - 7/12/2018		G. O. in microns =	105	105	11025
Initial Weight(g)	0.020	55	G. O. In microns =	105	105	11025
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	25%	G.O.s Counted	25
3	Screen Magnification	20 KX	Area Examined mm²			0.276

Str. #	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	ED
NSD	A8-E1							
NSD	A8-E10							
1	A8-E2	Bundle	Tremolite	8.8	1.3	6.8	X	X
NSD	A8-E3	-						
2	A8-E4	Fiber	Tremolite	5.9	0.2	29.5	Х	X
3	A8-E5	Fiber	Tremolite	10,1	0.84	12.0	X	X
NSD	A8-E6		l l'					
4	A8-E7	Fiber	Tremolite	6.8	0.84	8.1	X	X
5	A8-E8	Fiber	Tremolite	13.8	0.9	15.3	X	X
6	A8-E9	Fiber	Tremolite	39.5	6.4	6.2		
NSD	A8-F1							
NSD	A8-F10							
7	A8-F2	Bundle	Tremolite	8.2	1,4	5.9	Х	X
NSD	A8-F3							1
NSD	A8-F4							1
NSD	A8-F5							
8	A8-G1	Fiber	Tremolite	18.6	1.1	16.9	X	X
NSD	A8-G10							<u> </u>
NSD	A8-G2							
NSD	A8-G3							
9	A8-G4	Fiber	Tremolite	4,5	0.8	5.6	Х	X
NSD	A8-G5			ĺ				
10	A8-G6	Bundle	Tremolite	4.6	0.8	5.8	Х	X
NSD	A8-G7							
NSD	A8-G8							<u> </u>
NSD	A8-G9							<u> </u>

Org. Sample	Sample Wt. Post	
Wi.	HL Separation	
0.02055	0	g
Percent of		ŀ
Orig. Post		l
Separation	0	(%)
		•
Wt. Of		1
Sample		l
Analyzed	0.00002817	g
Filter size	201.1	mm²
Number of		1
Structures		l
Counted	10	Str.
Structures		
per Gram of		ĺ
Sample	3.55E+05	Str./g

Detection Limit	3.55E+04	Str./g
Analytical Sensitivity	3.55E+04	Str./g

Digitally signed by MW Rigler, Ph.D. Reviewer /Date <u>Date: 2018.09.06 14:30:08 -04'00'</u>

TEM Bulk Talc Structure Count Sheet								
	Project/ Sample No.	M65947-004 0.3% Anthophyllite in Talc		Grid Box #	8617	No. of Grids Counted	2	
	Analyst:	Analys	st 1		Length	Width	G. O. Area	
	Date of Analysis	8/7/18 - 1	9/8/18	G. O. in microns =	105	105	11025	
	Initial Weight(g)	0.029	80	G. O. at Inicions =	105	105	11025	
ĺ	Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025	
	Scope No.	Accelerating Voltage	100 KV	Loading%	25%	G.O.s Counted	25	
	3	Screen Magnification	20 KX	Area Examined mm²			0.276	

Str.#	Grid Opening	Structure	Asbestos Type	Length :	Width	Ratio	SAED	EDS
1	A4-A1	Fiber	Anthophyllite	6.5	0.46	14,1	X	X
NSD	A4-A10							
NSD	A4-A2							
NSD	A4-A3							<u> </u>
NSD	A4-A4	Bundle	Anthophyllite	6.3	1.4	4.5	×	×
2	A4-A5	Bundle	Anthophyllite	56.8	2.3	24.7	X	X
3	A4-A6	Bundle	Anthophyllite	43.9	1.2	36.6	X	X
4	A4-A7	Bundle	Anthophyllite	43.5	3.8	11.4	X	X
NSD	A4-A8	-						
5	A4-A9	Bundle	Anthophyllite	28.8	4.6	6.3	X	X
6	A4-D10	Bundle	Anthophyllite	19.4	1.8	10.8	X	X
NSD	A4-D6							
7	A4-D7	Bundle	Anthophyllite	8.6	1.3	6.6	Х	l x
8	A4-D8	Bundle	Anthophyllite	9.2	1	9.2	x	X
9	A4-D8	Bundle	Anthophyllite	11.2	2.1	5.3	X	х
10	A4-D9	Fiber	Anthophyllite	5.9	1	5.9	х	X
11	A4-D9	Fiber	Anthophyllite	10.5	1.8	5.8	Х	х
NSD	A4-E1	***************************************						
12	A4-E10	Bundle	Anthophyllite	19.9	0.8	24.9	X	×
13	A4-E10	Fiber	Anthophyllite	4.8	0.3	16.0	X	X
14	A4-E2	Fiber	Anthophylite	22.4	2.3	9.7	X	X
15	A4-E3	Fiber	Anthophyllite	6.6	0.7	9.4	Х	Х
NSD	A4-E4							
NSD	A4-E5							
16	A4-E6	Fiber	Anthophyllite	7.1	0.9	7.9	X	Х
17	A4-E7	Bundle	Anthophyllite	49.8	2.9	17.2	X	X
NSD	A4-E8		1					1
18	A4-E9	Fiber	Anthophyllite	3.9	0.6	6.5	х	X
19	A4-E9	Bundle	Anthophyllite	21,1	1.3	16.2	X	X
20	A4-E9	Bundle	Anthophyllite	11.3	1.5	7.5	X	X

Sample Wt. Post	
HL Separation	
0	g
	1
0	(%)
	1
0.00004084	g
201.1	mm²
20	Str.
4.90E+05	Str./g
	0 0 0 0.00004084 201.1

Digitally signed by MW Rigler, Ph.D. Reviewer/Date <u>Date: 2018.09.06.14:30:21 -04:00'</u>

		TEM	Bulk Talc Structure C	ount Sheet		
Project/ Sample No.	M65947-004 0.3% Anthophyllite in Talc		Grid Box #	8617	No. of Grids Counted	2
Analyst:	Analys	12		Length	Width	G. O. Area
Date of Analysis	8/2/2018		G. O. in microns =	105	105	11025
initial Weight(g)	0.02980		G. O. In microns =	105	105	11025
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	25%	G.O.s Counted	25
3	Screen Magnification	20 KX	Area Examined mm²			0.276

Str. #	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
1	A4-A1	Bundle	Anthophyllite	7	0,5	14.0	X	X
2	A4-A1	Bundle	Anthophyllite	30.2	2	15.1	X	X
NSD	A4-A10	-			_			
NSD	A4-A2							1
NSD	A4-A3		1					1
3	A4-A4	Fiber	Anthophyllite	5.8	1	5.8	х	×
4	A4-A5	Bundle	Anthophyllite	52	2	26.0	X	- X
5	A4-A6	Bundle	Anthophyllite	42	0.9	46.7	×	1 ×
6	A4-A7	Bundle	Anthophyllite	44	4.5	9.8	X	 x
NSD	A4-A8							
7	A4-A9	Bundle	Anthophylide	40	2	20.0	x	 x
8	A4-D10	Bundle	Anthophyllite	18	2	9.0	×	1 ×
NSD	A4-D6		1 1					
9	A4-D7	Bundle	Anthophylite	8	1.2	6.7	×	×
10	A4-D8	Bundle	Anthophyllite	8,5	8.0	10,6	х	X
11	A4-D8	Bundle	Anthophyllite	10.5	2	5.3	•	 ``
12	A4-D9	Fiber	Anthophyllite	6	0.9	6.7	х	X
13	A4-D9	Bundle	Anthophyllite	10	1.7	5.9	X	X
NSD	A4-E1							<u> </u>
14	A4-E10	Fiber	Anthophyllite	4.4	0.3	14.7	Х	×
15	A4-E10	Bundle	Anthophyllite	20	0.6	33.3	X	X
16	A4-E2	Fiber	Anthophyllite	22	2	11.0	X	×
17	A4-E3	Fiber	Anthophyllite	6.3	0.8	7.9	X	X
NSD	A4-E4							
NSD	A4-E5		1					
18	A4-E6	Fiber	Anthophyllite	7	0.8	8.8	×	×
19	A4-E7	Bundle	Anthophyllite	50	3	18,7	×	×
NSD	A4-E8							† <u>``</u>
20	A4-E9	Bundle	Anthophyllite	10.5	1.5	7,0	X	X
21	A4-E9	Fiber	Anthophyllite	3.7	0.6	6.2	X	X
22 .	A4-E9	Bundle	Anthophyllite	20.6	1.5	13.7	×	X

Org, Sample Wt.	Sample Wt. Post HL Separation	
0.02980	0	9
Percent of		1
Orig. Post		
Separation	0	(%)

Wt. Of Sample		1
Analyzed	0.00004084	9
Filter size	201.1	mm²
Number of		1
Structures		١.
Counted	22	Str.
Structures		
per Gram of		l
Sample	5.39E+05	Str./g

Detection Limit	2.45E+04	Str./g
Analytical Sensitivity	2.45E+04	Str./g

Digitally signed by MW Rigler, Ph.D. Reviewer /Date Date: 2018.09.06 14:30:35 -04'00'

		TEM	Bulk Talc Structure C	ount Sheet		***************************************
Project/ Sample No.	M65947 0.3% Anthoph		Grid Box#	8617	No. of Grids Counted	2 .
Analyst:	Analy	st 3		Length	Width	G. O. Area
Date of Analysis	7/27/2	018	G. O. in microns =	105	105	11025
initia! Weight(g)	0.029	80	G. O. III MICIONS =	105	105	11025
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	25%	G.O.s Counted	25
3	Screen Magnification	20 KX	Area Exar	nined mm²		0.276

			Asbestos					
Str.#	Grid Opening	Structure	Type	Length	Width	Ratio	ŞAED	EDS
1	A4-A1	Fiber	Anthophyllite	7.36	0.46	16.0	X	Х
2	A4-A1	Bundle	Anthophyllite	33.12	1.84	18.0	X	Х
NSD	A4-A10							
NSD	A4-A2							
NSD	A4-A3							
NSD	A4-A4	Bundle	Anthophyllite	6.39	1.38	4.6	X	X
3	A4-A5	Bundle	Anthophyllite	57.5	2.76	20.8	X	X
4	A4-A6	Bundle	Anthophyllite	44.16	1.38	32.0	Х	X
5	A4-A7	Bundle	Anthophyllite	46	4.14	11.1	X	Х
NSD	A4-A8							
6	A4-A9	Bundle	Anthophyllite	30,3	5.06	6.0	х	Х
7	A4-D10	Bundle	Anthophyllite	19.32	1.68	11.5	х	Х
NSD	A4-D6							
8	A4-D7	Fiber	Anthophyllite	8.61	1.26	6.8	х	Х
9	A4-D8	Bundle	Anthophyllite	8.4	0.92	9.1	X	Х
10	A4-D8	Fiber	Anthophyllite	10.92	2.1	5.2	X	Х
11	A4-D9	Fiber	Anthophyllite	5.67	1.01	5.6	х	Х
12	A4-D9	Fiber	Anthophyllite	11.34	1.68	6.8	Х	X
NSD	A4-E1							-
13	A4-E10	Bundle	Anthophyllite	18.06	2.94	6.1	X	X
14	A4-E10	Fiber	Anthophyllite	17.01	0.34	50.0	X	X
15	A4-E2	Fiber	Anthophyllite	22.26	2.52	8.8	×	X
16	A4-E3	Fiber	Anthophyllite	6.93	0.67	10.3	X	X
NSD	A4-E4							
NSD	A4-E5							
17	A4-E6	Fiber	Anthophyllite	7.14	0.76	9.4	x	X
18	A4-E7	Bundle	Anthophyllite	49.14	2.94	16.7	X	X
NSD	A4-E8							
19	A4-E9	Fiber	Anthophyllite	3.99	0.59	6.8	X	X
20	A4-E9	Bundle	Anthophyllite	17.64	1.26	14.0	Х	Х
								L

Org. Sample Wt.	Sample Wt. Post HL Separation	_
0.02980	0	g
Percent of		1
Orig. Post		
Separation	0	(%)
Wt. Of Sample Analyzed	0.00004084	g
Filter size	201.1	u_{1}
Number of Structures		
Counted	20	Str.
Structures		
per Gram of		
Sample	4.90E+05	Str./q

 Detection Limit
 2.45E+04
 Str./g

 Analytical Sensitivity
 2.45E+04
 Str./g

Digitally signed by MW Rigler, Ph.D. Reviewer /Date Date: 2018.09.06.14:30:48-04/00'

		TEM	l Bulk Talc Structure C	ount Sheet		
Project/ Sample No.	M6594 0.3% Anthoph		Grid Box#	8617	No. of Grids Counted	2
Analyst:	Analy	st 4		Length	Width	G. O. Area
Date of Analysis	7/23/2018 -	7/25/2018	G. O. In microns =	105	105	11025
Initial Weight(g)	0.029	980	G. O. III IIIIGOUS ~	105	105	11025
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	25%	G.O.s Counted	25
3	Screen Magnification	20 KX	Area Exa	nined mm²		0.276

Str.#	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
1	A4-A1	Fiber	Anthophyllite	6.4	0.38	16.8	X	X
2	A4-A1	Bundle	Anthophyllite	31.5	2.2	14.3	X	X
NSD	A4-A10							
NSD	A4-A2							
NSD	A4-A3							
3	A4-A4	Bundle	Anthophyllite	5.5	1.2	4.6	х	х
4	A4-A5	Bundle	Anthophyllite	55.5	2.4	23.1	×	Х
5	A4-A6	Bundle	Anthophyllite	43.6	1.2	36.3	X	X
6	A4-A7	Bundle	Anthophylite	43.2	3.6	12.0	X	Х
NSD	A4-A8							
7	A4-A9	Bundle	Anthophyllite	27.5	4.4	6.3	х	Х
8	A4-D10	Bundle	Anthophylite	18.9	1.7	11.1	Х	Х
NSD	A4-D6							
9	A4-D7	Bundle	Anthophyllite	. 8.3	1.2	6.9	X	Х
10	A4-D8	Bundle	Anthophyllite	9.3	1.1	8.5	X	X
11	A4-D8	Bundle	Anthophyllite	11.1	1.8	6.2	X	X
12	A4-D9	Bundle	Anthophyllite	6.3	0.82	7.7	X	X
13	A4-D9	Fiber	Anthophyllite	10.1	1.5	6.7	X	Х
NSD	A4-E1							
14	A4-E10	Fiber	Anthophyilite	4.2	0.24	17,5	Х	x
15	A4-E10	Bundle	Anthophyllite	19.3	0.84	23.0	X	X
16	A4-E2	Fiber	Anthophyllite	22.3	2.1	10.6	X	Х
17	A4-E3	Flber	Anthophyllite	6.3	0.68	9.3	×	X
NSD	A4-E4		 -					†
NSD	A4-E5							i –
18	A4-E6	Fiber	Anthophylite	7.8	0.7	11.1	X	X
19	A4-E7	Bundle	Anthophylite	50.2	3.1	16.2	X	X
NSD	A4-E8	-						
20	A4-E9	Bundle	Anthophyllite	10.4	1.2	8.7	×	X
21	A4-E9	Bundle	Anthophylite	21.3	1,2	17.8	×	X
22	A4-E9	Fiber	Anthophyllite	3.7	0.5	7.4	X	X

Org. Sample	Sample Wt. Post	
Wt.	HL Separation	
0.02980	. 0	g
Percent of		1
Orig. Post		l
Separation	0	(%)
		•
Wt. Of		1
Sample		
Analyzed	0.00004084	g
Filter size	201.1	mm _s
Number of		1
Structures		
Counted	22	Str.
Structures		
per Gram of		

Sample

Detection Limit	2.45E+04	Str./g
Analytical Sensitivity	2.45E+04	Str./g

Digitally signed by MW Rigler, Ph.D. Reviewer Date Date: 2018.09.06 14:31:03 -04'00'.

	TE	M Bulk Talc Structure Co	unt Sheet		
Project/ Sample No.	M65947-001 0.3% Tremolite in Talc	Grid Box#	8617	No. of Grids Counted	2
Analyst:	Analyst 1	100	Length	Width	G. O. Area
Date of Analysis	7/16/2018	G. O. in microns ÷	105	105	11025
ાંતitiat Weight(g)	0,02055	G. O. III III III II	105	105	11025
Analysis Type	Post Separation Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating 100 KV Voltage 100 KV	Loading%	25%	G.D.≰ Counted	25
3	Screen 20 KX Magnification	Area Exam	ined mm²	read freezi	0.276

Str.#	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
NSD	A8-E1							
NSD	A8-E10							1
1	A8-E2	Bundle	Tremolite	8.9	1.4	6.4	×	X
NSD	A8-E3							
2	A8-E4	Fiber	Tremolite	6.6	0.2	33.0	Х	X
3	A8-E5	Bundle	Tremolite	10	1	10.0	Х	X
NSD	A8-E6							
4	A8-E7	Fiber	Tremolite	6,9	1.3	5.3	×	X
5	A8-E8	Bundle	Tremolite	15.3	1,1	13,9	X	X
6	A8-E9	Bundle	Treinolite	43.2	6.9	6.3	×	×
NSD	A8-F10							
7	A8-F2	Bundle	Tremolite	9	1.4	6.4	×	×
NSD	A8-F3							1
NSD	A8-F4							
NSD	A8-F5						***************************************	
8	A8-G1	Bundle	Tremolite	18.9	1.2	15.8	X	X
NSD	A8-G10							
NSD	A8-G2							
NSD	A8-G3							
NSD	A8-G4							
NSD	A8-G5							
9	A8-G6	Bundle	Tremolite	4.9	0.92	5.3	Х	X
NSD	A8-G7							
NSD	A8-G8							1
NSD	A8-G9							1

Org. Sample Wt.	Sample Wt. Post HL Separation		
0.02055	· · ·	9	
Percent of		*	
Orig. Post			
Separation	0	(%)	
_			
Wt. Of			
Sample			
Analyzed	0.00002817	g	
Filter size	201.1	mm²	
Number of			
Structures	_		
Counted	9	Str.	
Structures			
per Gram of		. .	
Sample	3.20E+05	Str./g	

Digitally signed by MW Rigler, Ph.D. Reviewer /Date Date: 2018-09-06-14:29:27-04:00:

3.55E+04 Str./g

3.55E+04 Str./g

· Case 3:16-md-02738-MAS-RLS Document 10712-7 Filed 10/07/19 Page 15 of 104 PageID: 100225

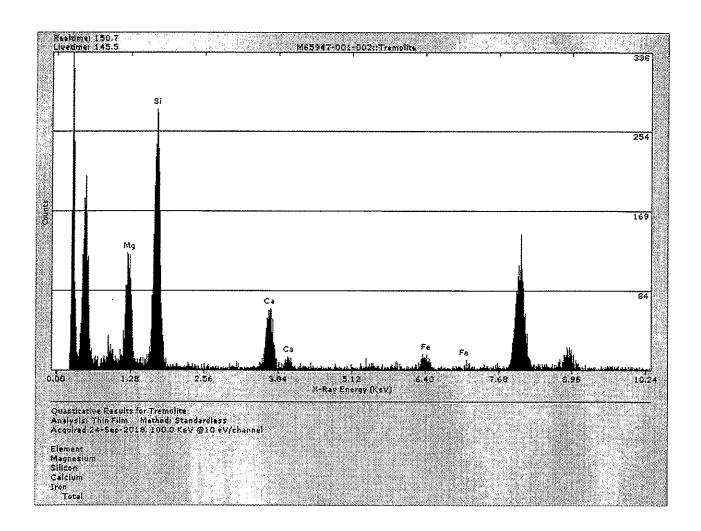
TEM Bulk Talc Structure Count Sheet								
Project/ Sample No.	M65947-001 0.3% Tremolite in Talc	Grid Box#	8617	No, of Grids Counted	2			
Analyst:	Anthony Keeton	Market Control State (Section 2)	Length	Width	G. O. Area			
Date of Analysis	7/16/2018	G. O. in microns =	105	105	11025			
Initial Weight(g)	0.02055	G. O. Withicrons =	105	105	11025			
Analysis Type	Post Separation Talc Analysis	Grid Acceptance	Yes	Average	11025			
Scope No.	Accelerating 100 KV	Loading%	25%	G.O.s Counted	25			
3	Screen 20 KX Magnification	Area Examined mm²			0.276			

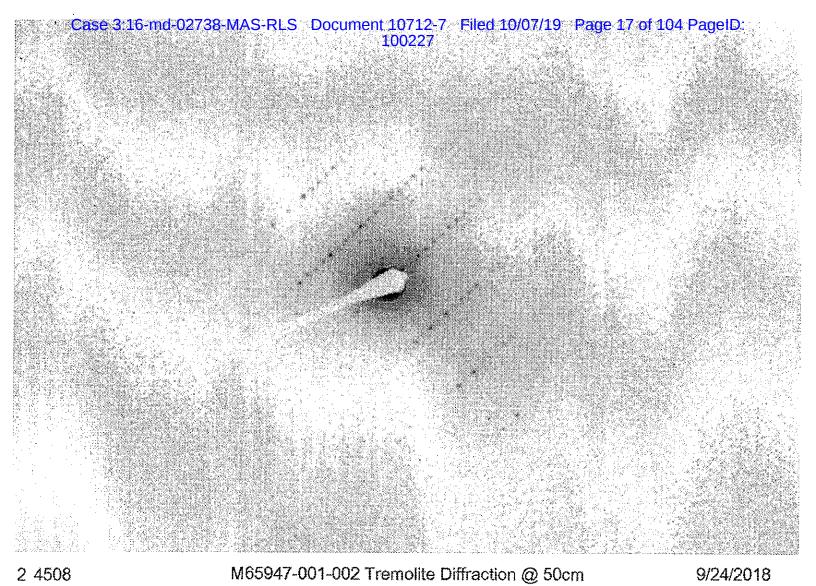
			Asbestos					
Str. #	Grid Opening	Structure	Type	Length	Width	Ratio	SAED	EDS
NSD	A8-E1							
NSD	A8-E10							
1	A8-E2	Bundle	Tremolite	8.9	1.4	6.4	X	Х
NSD	A8-E3							
2	A8-E4	Fiber	Tremolite	6.6	0.2	33.0	X	X
3	A8-E5	Bundle	Tremolite	10	1	10.0	X	Х
NSD	A8-E6							
4	A8-E7	Fiber	Tremolite	6.9	1.3	5.3	Х	Х
5	A8-E8	Bundle	Tremolite	15.3	1.1	13.9	Х	X
6	A8-E9	Bundle	Tremolite	43.2	6.9	6.3	×	X
NSD	A8-F10							
7	A8-F2	Bundle	Tremolite	9	1.4	6.4	Х	Х
NŞD	A8-F3							
NSD	A8-F4			-	***************************************			
NSD	A8-F5							
8	A8-G1	Bundle	Tremolite	18.9	1.2	15.8	X	Х
NSD	A8-G10							
NSD	A8-G2							
NSD	A8-G3							l
NSD	A8-G4			***************************************				
NSD	A8-G5							
9	A8-G6	Bundle	Tremolite	4.9	0.92	5.3	X	X
NSD	A8-G7							.,
NSD	A8-G8							
NSD	A8-G9		i					

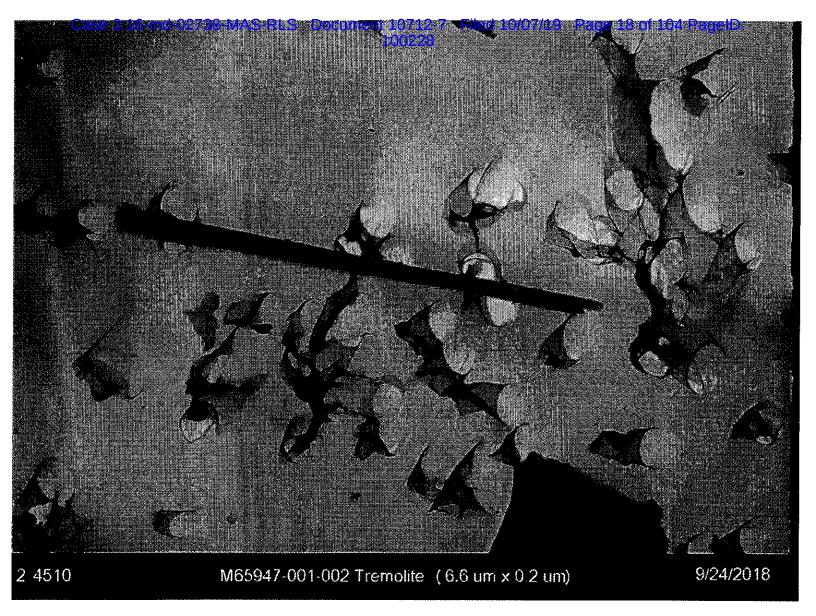
Org. Sample Wt.	Sample Wt. Post HL Separation	_
0.02055	0	g
Percent of		1
Orig. Post		l
Separation	0	(%)
		, .
Wt. Of		
Sample		
Analyzed	0.00002817	g
Filter size	201.1	mm²
Number of		
Structures		
Counted	9	Str.
Structures		
per Gram of		
Sample	3.20E+05	Str./g

Detection Limit	3,55E+04	Str./g
Analytical Sensitivity	3.55E+04	Str./g

Reviewer /Dat	A		







***************************************		TE	M Bulk Talc Structure Co	ount Sheet		***************************************
Project/ Sample No.	M65947-004 0.3% Anthophyllite in Telc		Teld Book		No. of Grids Counted	2
Analyst:	Analysi	1	CONTROL OF STREET, STREET, ST. ST.	Length	Width	G.O.Area
Date of Analysis	8/7/18 - 8/8/18 0.02980		G. O. in microns =	105	105	11025
Initial Weight(g)			G G S) (IIIGGIS 4	105 105		11025
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	25%	G.O.s Counted	25
3	Screen Magnification	20 KX	Area Examined inn?			0.276

			Asbestos					
Str.#	Grid Opening	Structure	Type	Length	Width	Ratio	SAED	EDS
1	A4-A1	Fiber	Anthophyllite	8.5	8,46	14.1	X	Х
NSD	A4-A10							
NSD	A4-A2							
NSD	A4-A3						······································	
NSD	A4-A4	Bundle	Anthophyllite	6.3	1.4	4.5	X	X
\$	Ad-AS	Bundle	Anthophyllite	56.8	2.3	24.7	×	X
3	A4-A6	Bundle	Anthophyllite	43.9	1,2	36.6	×	Х
4	A4-A7	Bundle	Anthophyllite	43.5	3.8	11,4	×	X
NSD	A4-A8	***************************************					***************************************	
5	A4-A9	Bundie	Anthophyllite	28.8	4.6	6,3	x	X
6	A4-D10	Bundia	Anthophylite	19.4	1.8	10.8	×	X
NSD	A4-D6		1					1
7	A4-D7	Bucdle	Anthophylite	2,8	1.3	6.6	X	1 X
8	A4-08	Sundle	Anthophylite	9,2	1	9,2	×	X
9	A4-D8	Sundle	Anthophylite	11.2	2.1	5.3	X	X
10	A4-D9	Fiber	Anthophysite	5.9	1	5.9	×	X
11	A4-D9	Fiber	Anthophylite	10.5	1,8	5.8	×	×
NSD	A1-E1				"		···	
12	A4-E10	Bundle	Anthophylite	19,9	8.0	24.9	×	×
13	A4-E10	Fiber	Anthophyllite	4,8	0.3	16.0	Х	X
14	A4-E2	Fiber	Anthophyllite	22.4	2.3	9.7	X	X
15	A4-E3	Fiber	Anthophyllite	8.0	0.7	9,4	X	X
NSD	A4-E4	 						
NSD	A4-E5	· · · · · · · · · · · · · · · · · · ·	 					
16	A4-E6	Fiber	Anthophyllite	7.1	9.0	7.9	х	X
17	A4-E7	Bundle	Anthophylite	49.6	2.9	17.2	X	X
NSD	A4-E8							
18	A4-E9	Fiber	Anthophyllia	3,9	0.6	6.5	х	×
19	A4-E9	Bundle	Anthophylite	21.1	1.2	16.2	×	X
20	A4-E9	Bundle	Anthophylite	11.3	1.6	7.5	×	X

Org. Sample Wt.	Sample Wt. Post HL Separation	
0.02980	Q	g
Percent of		
Orig. Post		
Separation	0	(%)
Wt. Of Sample Analyzed	0.00004084	g
Filter size	201.1	mmt
Number of Sinuctures		
Counted	20	Sir.
Structures		
per Gram of		
Sample	4.90E+05	Str./g

Detection Limit	2.45E+04	Str./g
Analytical Sensitivity	2.45£404	Str./a

Digitally signed by MW Rigler, Ph.D. Reviewer / Date: 2018 09 06 14:30:21 - Cattle:

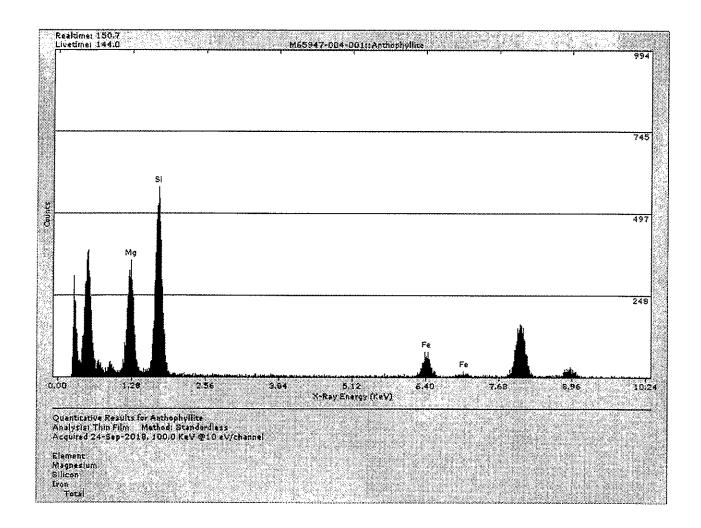
* Case 3:16-md-02738-MAS-RLS Document 10712-7 Filed 10/07/19 Page 20 of 104 PageID: 100230

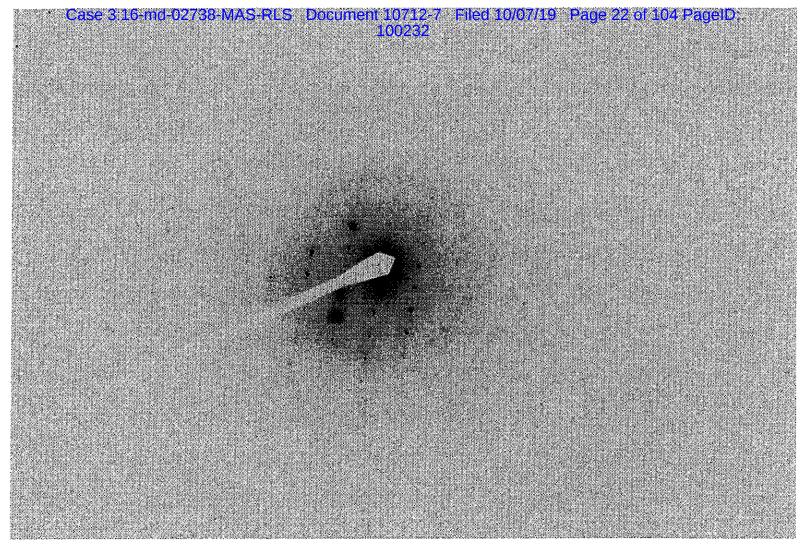
		TEM Bulk Talc Structure Co	unt Sheet		
Project/ Sample No.	M65947-004 0.3% Anthophyllite in Talc	Grid Box#	8617	No. of Grids Counted	2
Analyst:	Anthony Keeton		Length	Width	G. O. Area
Date of Analysis	8/7/18 - 8/8/18	G. C. in microns =	105	105	11025
Initial Weight(g)	0.02980	G, G, st (littoris –	105	105	11025
Analysis Type	Post Separation Talc Analys	s Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating 100 KV	Loading%	25%	G.O.s Counted	25
3	Screen 20 KX Magnification	Area Exam	ined mm²		0.276

Str.#	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
Str. #	A4-A1	Fiber	Anthophyllite	6.5	0.46	14.1	X	X
NSD	A4-A10	Linei	Antiropriyane	0.5	0.40	177.1		+-^-
NSD	A4-A2		-				······································	-
NSD	A4-A2 A4-A3							
	A4-A3	Bundle	Anthophyllite	6.3	1,4	4.5	X	X
NSD	3	Bundle	Anthophyllite	56.8	2.3	24.7	^	^
2	A4-A5		<u> </u>	43.9	1,2	36.6		^
3	A4-A6	Bundle	Anthophyllite					
4	A4-A7	Bundle	Anthophyllite	43.5	3.8	11.4	Χ	X
NSD	A4-A8		1					
5	A4-A9	Bundle	Anthophyllite	28.8	4.6	6.3	X	X
6	A4-D10	Bundle	Anthophyliite	19.4	1.8	10.8	X	X
NSD	A4-D6							
7	A4-D7	Bundle	Anthophyllite	8.6	1.3	6.6	X	X
8	A4-D8	Bundle	Anthophyllite	9.2	1	9.2	×	X
9	A4-D8	Bundle	Anthophyllite	11.2	2.1	5.3	Х	Х
10	A4-D9	Fiber	Anthophyllite	5.9	1	5.9	X	Х
11	A4-D9	Fiber	Anthophyllite	10.5	1.8	5.8	Х	Х
NSD	A4-E1							
12	A4-E10	Bundle	Anthophyllite	19.9	0.8	24.9	X	Х
13	A4-E10	Fiber	Anthophyllite	4.8	0.3	16.0	×	X
14	A4-E2	Fiber	Anthophyllite	22.4	2,3	9.7	X	X
15	A4-E3	Fiber	Anthophyllite	6.6	0.7	9.4	Х	X
NSD	A4-E4		<u> </u>					
NSD	A4-E5							
16	A4-E6	Fiber	Anthophyilite	7.1	0.9	7.9	Х	Х
17	A4-E7	Bundle	Anthophyllite	49.8	2.9	17.2	X	Х
NSD	A4-E8							
18	A4-E9	Fiber	Anthophyllite	3.9	0.6	6.5	×	Х
19	A4-E9	Bundle	Anthophyllite	21,1	1.3	16.2	×	X
20	A4-E9	Bundle	Anthophyllite	11.3	1.5	7.5	X	X

Org. Sample Wt.	Sample Wt. Post HL Separation	:			
0.02980	0	g			
Percent of					
Orig. Post					
Separation	0	(%)			
•		~			
Wt. Of	······	1			
Sample					
Analyzed	0.00004084	g			
Filter size	201.1	mm²			
Number of					٦
Structures			Detection		1
Counted	20	Str.	Limit	2.45E+04	Str./g
Structures		1			7
per Gram of			Analytical		Į.
Sample	4.90E+05	Str./g	Sensitivity	2.45E+04	Str./g
,		_		······································	

Reviewer /Date





2 4504

M65947-004-001 Anthophyllite Diffraction @ 50cm

9/24/2018



Project/ Sample No.	M65947-001 0.3% Tremolite in Talc Analyst 2		TWA DAVE		No. of Grids Counted	2	
Analyst:			Analyst 2		MARKOVSKI BUKULSI	Length	Width
Date of Analysis	7/19/201	18	G. O. in microns ≃	105	105	11025	
Initial Weight(g)	0,02055		G, C, III IMAONS —	105 105		11025	
Analysis Type	Post Separation Talc Analysis		Grid Acceptance Y		Average	11025	
Scope No.	Accelerating Voltage	100 KV	Loading%	25%	G.O.s Counted	25	
3	Screen Magnification	20 KX	Area Examined mm [*]			0.278	

Str.#	Grid Opening	Structure	Ashestos Type	Length	Width	Ratio	SAED	EDS
OSM	A8-E1)
NSD	A8-E10							1
1	A8-E2	Fiber	Tremolite	8	(1.5)	5.3	Х	X
NSD	A8-E3							1
2	A8-E4	Fiber	Tremolite	6,4	0.2	32.0	X	X
3	A8-E5	Bundle	Tremolite	10	0.8	12.5	×	Х
NSD	A8-E6				~			
4	A8-E7	Bundle	Tremolile	6.4	R)	6.4	X	×
5	A8-E8	Fiber	Tremolite	15	0.57)	16.7	Х	X
6	A8-E9	Bundle	Tremolite	43	6	7,2	×	Х
NSD	A8-F1							
7	A8-F2	Bundle	Tremplite	8.4	1.3	6.5	×	X
NSD	A8-F3							
NSD	A8-F4							
NSD	A8-F5							†
8	A8-G1	Bundle	Tremolite	10.4	1	10.4	X	Х
NSD	A8-G10						······································	
NSD	A8-G2							
NSD	A8-G3						······································	
NSD	A8-G4							
9	A8-G5	Bundle	Tremolite	5.8	0.8	7.3	Х	Х
10	A8-G6	Fiber	Tremolite	4.8	(0.8)	6.0	X	X
NSD	A8-G7		1					
NSD	A8-G8	***************************************					·····	
NSD	A8-G9		1					

Org. Sample	Sample Wt. Post	
Wt.	HL Separation	
0.02055	0	9
Percent of		
Orig. Post		
Separation	٥	(%)
	······································	, ,
Wt. Of		1
Sample		
Analyzed	0.00002817	g
Filter size	201.1	กษณะ
Number of	· · · · · · · · · · · · · · · · · · ·	
Structures		
Counted	10	Str.
Structures		
per Gram of		
Sample	3.55E+05	Str./g

Detection
Limit 3,55E+04 Str./g
Analytical
Sensitivity 3,55E+04 Str./g

Digitally signed by MW Rigler, Ph.D. Reviewer /Date Date: 2016/09/06 14:29:40 -04:00:

Case 3:16-md-02738-MAS-RLS Document 10712-7 Filed 10/07/19 Page 25 of 104 PageID: 100235

TEM Bulk Talc Structure Count Sheet							
Project/ Sample No.	M65947-001 0.3% Tremolite in Talc	Grid Box#	8617	No. of Grids Counted	2		
Analyst:	Merhdad Motamedi	E PECALORO CON EL PARTE DE PARTE	Length	Width	G. O. Area		
Date of Analysis	7/19/2018	\$ 0 m	105	105	11025		
initial Weight(g)	0.02055	- G. O. in microns ≃	105	105	11025		
Analysis Type	Post Separation Talc Analysis	Grid Acceptance	Yes	Average	11025		
Scope No.	Accelerating 100 KV	Loading%	25%	G.O.s Counted	25		
3	Screen 20 KX Magnification	Area Exam	ined mm²		0.276		

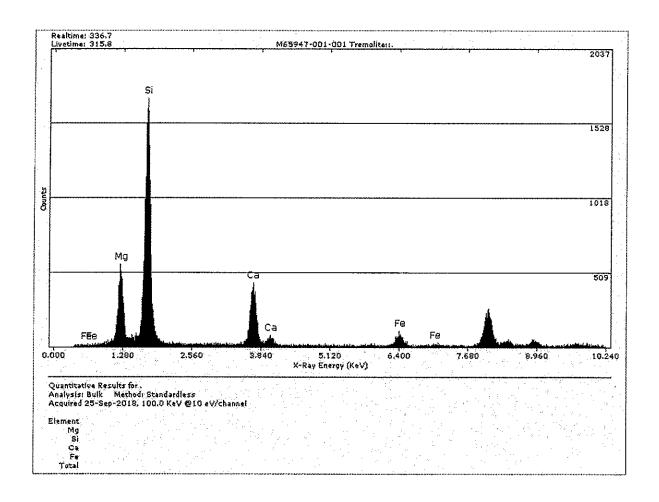
Str. #	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
NSD	A8-E1						······································	
NSD	A8-E10							
1	A8-E2	Fiber	Tremolite	8	(1.5)	5.3	X	X
NSD	A8-E3							
2	A8-E4	Fiber	Tremolite	6.4	0.2	32.0	X	X
3	A8-E5	Bundle	Tremolite	10	0.8	12.5	X	X
NSD	A8-E6							1
4	A8-E7	Bundle	Tremolite	6.4	1	6.4	X	X
5	A8-E8	Fiber	Tremolite	15	0.9	16.7	Х	X
6	A8-E9	Bundle	Tremolite	43	6	7.2	X	X
NSD	A8-F1							
7	A8-F2	Bundle	Tremolite	8.4	1.3	6,5	Х	X
NSD	A8-F3							· · · · · · ·
NSD	A8-F4							
NSD	A8-F5							
8	A8-G1	Bundle	Tremolite	10.4	1	10.4	X	Х
NSD	A8-G10							<u> </u>
NSD	A8-G2							
NSD	A8-G3							<u> </u>
NSD	A8-G4							
9	A8-G5	Bundle	Tremolite	5.8	0.8	7.3	Х	Х
10	A8-G6	Fiber	Tremolite	4.8	0.8	6.0	X	X
NSD	A8-G7							
NSD	A8-G8							
NSD	A8-G9							

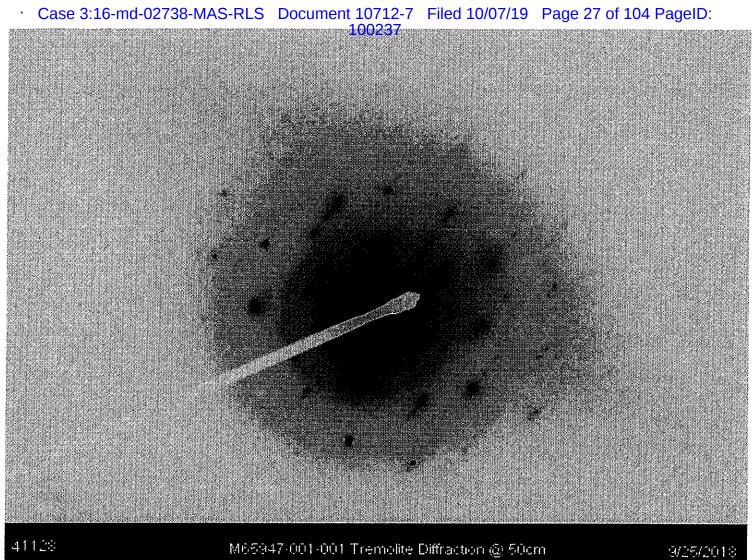
Org. Sample	Sample Wt. Post
Wt.	HL Separation
0.02055	0

Percent of		
Orig. Post		
Separation	0	(%)
		•
Wt. Of		1
Sample		
Analyzed	0.00002817	9
Filter size	201.1	mm²
Number of		1
Structures		
Counted	10	Str.
Structures		1
per Gram of		
Sample	3.55E+05	Str./g

f		1
Detection Limit	3.55E+04	Str./g
Analytical Sensitivity	3.55F+N4	Str./o

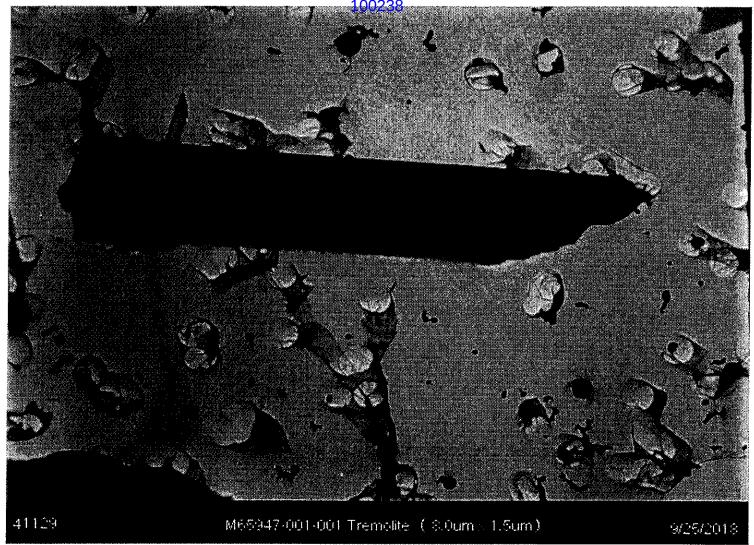
Reviewer / Date ______





3/25/2018

Case 3:16-md-02738-MAS-RLS Document 10712-7 Filed 10/07/19 Page 28 of 104 PageID:



Project/ Sample No.	M65947-004 0.3% Anthophylite in Tato Analyst 2		CATEDING 9		No. of Grids Counted	2		
Analyst:			Analysi 2		Analyst 2		Length	Width
Date of Availysis	8/2/2016		G. O. in microns = 1	105	105	31025		
Initial Weight(a)	6.02960		- O.O. Millions -	105	105	11025		
Analysis Type	Post Separation Telo Analysis		Post Separation Tale Analysis Grid Acceptance Ye		Average	31025		
Scope No.	Accelerating Voltage	100 KV	Loading%	25%	G.O.s Counted	25		
3	Screen Magnification	20 KX	Area Exer	iloed mm²		0.276		

Str. #	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
1	A4-A1	Bundle	Anthophylide	?	0.5	14.8	X	X
2	A4-A1	Bundle	Anthophylite	30,2	2	15,1	X	X
NSD	A4-A10							1
NSD	A4-A2					i		
NSD	A4-A3						·····	
3	A4-A4	Fiber	Anthophylite	5.8	1	5.8	×	X
4	A4-A5	Bundle	Anthophyllite	52	2	26.0	×	X
5	A4-A6	Bundle	Anthophylite	42	0.9	46.7	X	×
6	A4-A7	Bundle	Anthophyllite	44	4.5	9.8	X	×
NSD	A4-A8		1					
7	A4-A9	Bundle	Anthophyllite	40	2	20.0	×	X
8	A4-D10	Bundle	Anthophylite	18	2	9.0	×	X
NSD	A4-D6							
8	A4-D7	Bundle	Anthophyllife	8	1,2	6.7	X	х
10	A4-D8	Bundle	Anthophylite	5.5	8.0	10,6	X	X
11	A4-D8	Bundle	Anthophylite	10.5	2	5.3		l
12	A4-D9	Fiber	Anthophyllite	6	0.9	8.7	×	×
13	A4-DS	Sundle	Anthophyllite	10	1.7	5.9	X	X
NSD	A4-E1							
14	A4-E10	Fiber	Anthophylite	4,4	0.3	14.7	×	×
15	A4-E10	Bundle	Anthophyllite	20	3,6	33.3	X	X
16	A4-E2	Fiber	Anthophyllite	22	2	11.0	×	×
17	A4-E3	Fiber	Anthophyllite	6.3	0.8	7.9	X	X
NSD	A4-E4						,	ļ
NSD	A4-E5			i				i
18	A4-E6	Fiber	Anthophyllite	7	0.8	8.8	X	Х
19	A4-E7	Bundle	Anthophyllite	50	3	16.7	Х	X
NSD	A4-E8					···		1
20	A4-E9	Bundle	Anthophylife	10.5	1.5	7.0	Х	×
21	A4-59	Fiber	Anthophyllite	3.7	0.6	6.2	Х	×
52	A4-E9	Bundle	Anthophylide	20.6	1.5	13.7	X	X

Org, Sampl e Wt,	Sample Wt. Post HL Separation			
0.02980	0	9		
Percent of		1		
Orig. Post				
Secretion	a	683		

Wt. Of		1
Sample		
Analyzad	0.00004084	g
Filter size	201.1	mm²
Number of	***************************************	1
Structures		
Counted	22	St.
Structures		1
per Gram of		
Sample	5.39E+05	Str./g

Detection Limit	2.458+04	Str./g
Analytical Sensitivity	2.45E+04	Str./g

Digitally signed by NW Rigler, Ph.D. Reviewer/Date <u>Date: 2018 09 06 14:30:35-04:00</u>

- Case 3:16-md-02738-MAS-RLS Document 10712-7 Filed 10/07/19 Page 30 of 104 PageID: 100240

TEM Bulk Talc Structure Count Sheet									
Project/ Sample No.	M65947-004 0.3% Anthophyllite in Talc	Grid Box#	8617	No. of Grids Counted	2				
Analyst:	Merhdad Motamedi	Control of the Control of the Co	Length	Width	G. O. Area				
Date of Analysis	8/2/2018	G. O. in microns ≕	105	105	11025				
initial Weight(g)	0.02980	— G.O.∎niicous≡	105	105	11025				
Analysis Type	Post Separation Talc Analysis	Grid Acceptance	Yes	Average	11025				
Scope No.	Accelerating 100 KV Voltage 100 KV	Loading%	25%	G.O.s Counted	25				
3	Screen 20 KX Magnification	Area Exam	ined mm²		0.276				

Str.#	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
1	A4-A1	Bundle	Anthophyllite	7	0.5	14.0	X	X
2	A4-A1	Bundle	Anthophyllite	30.2	2	15.1	X	X
NSD	A4-A10							
NSD	A4-A2							
NSD	A4-A3							1
3	A4-A4	Fiber	Anthophyllite	5.8	1	5.8	X	X
4	A4-A5	Bundle	Anthophyllite	52	2	26.0	Χ	X
5	A4-A6	Bundle	Anthophyllite	42	0.9	46.7	X	X
6	A4-A7	Bundle	Anthophyllite	44	4.5	9.8	Х	Х
NSD	A4-A8							1
7	A4-A9	Bundle	Anthophyllite	40	2	20.0	X	×
8	A4-D10	Bundle	Anthophyllite	18	2	9.0	X	X
NSD	A4-D6							
9	A4-D7	Bundle	Anthophyllite	8	1.2	6.7	X	X
10	A4-D8	Bundle	Anthophyllite	8.5	0.8	10.6	X	T X
11	A4-D8	Bundle	Anthophyllite	10.5	2	5.3		
12	A4-D9	Fiber	Anthophyllite	6	0.9	6.7	X	X
13	A4-D9	Bundle	Anthophylite	10	1.7	5.9	X	X
NSD	A4-E1							†
14	A4-E10	Fiber	Anthophyllite	4.4	0.3	14.7	X	X
15	A4-E10	Bundle	Anthophyllite	20	0.6	33.3	X	×
16	A4-E2	Fiber	Anthophyllite	22	2	11.0	Х	×
17	A4-E3	Fiber	Anthophyllite	6.3	0.8	7.9	X	X
NSD	A4-E4							
NSD	A4-E5							
18	A4-E6	Fiber	Anthophyllite	7	8.0	8.8	Х	X
19	A4-E7	Bundle	Anthophyllite	50	3	16.7	Х	X
NSD	A4-E8					***		1
20	A4-E9	Bundle	Anthophyllite	10.5	1.5	7.0	X	×
21	A4-E9	Fiber	Anthophyllite	3.7	0.6	6,2	X	Х
22	A4-E9	Bundle	Anthophyllite	20.6	1.5	13.7	X	x

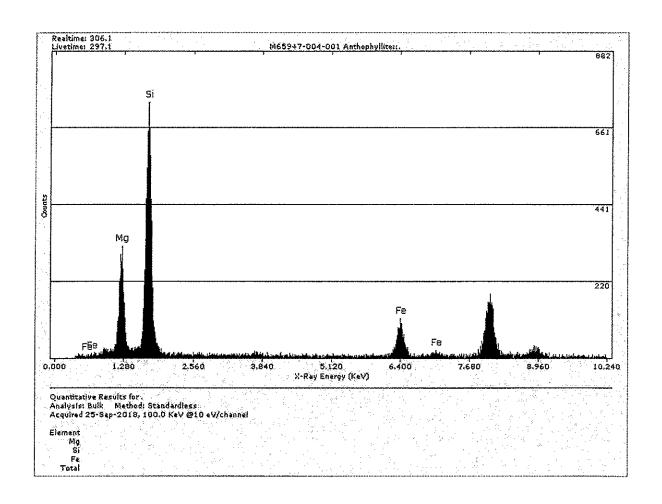
Org. Sample Sample Wt. Post HL Separation

O.02980 O G
Percent of Orig. Post Separation O (%)

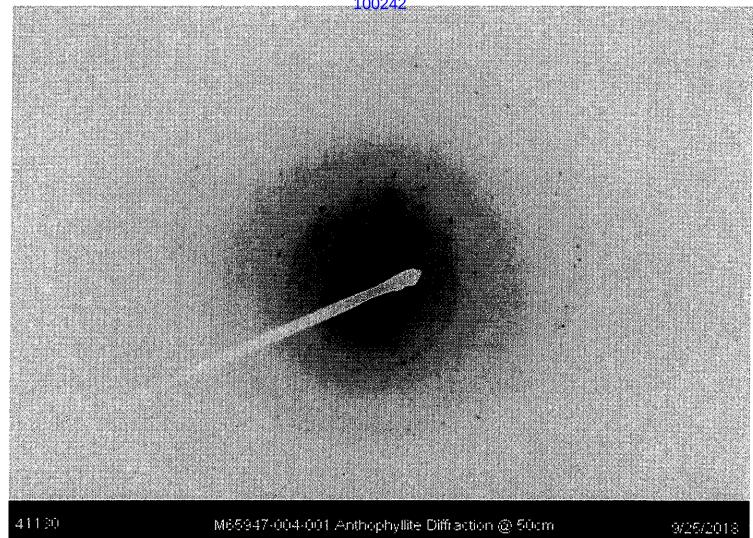
Wt. Of		1
Sample		
Analyzed	0.00004084	g
Filter size	201.1	ភាពា ²
Number of		
Structures		
Counted	22	Str.
Structures		
per Gram of		
Sample	5.39E÷05	Str./g

1		1
Detection		
Limit	2.45E+04	Str./g
Analytical		
Sensitivity	2.45E+04	Str/g

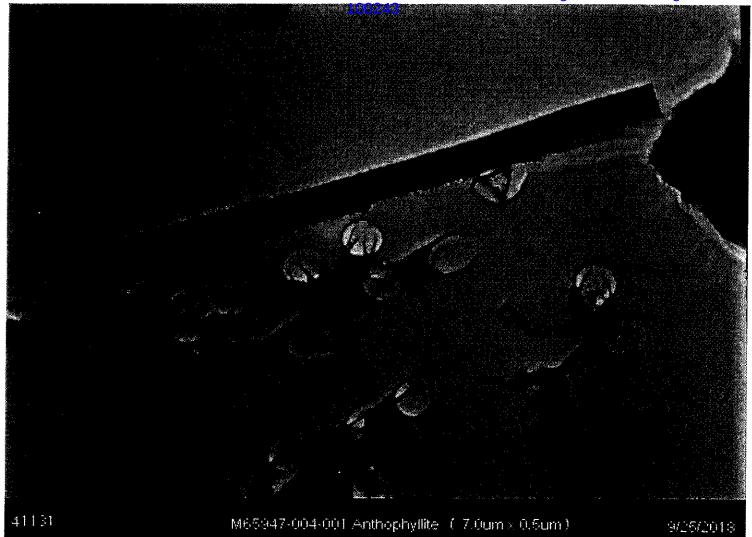
Reviewer / Date ______



Case 3:16-md-02738-MAS-RLS Document 10712-7 Filed 10/07/19 Page 32 of 104 PageID: 100242



Case 3:16-md-02738-MAS-RLS Document 10712-7 Filed 10/07/19 Page 33 of 104 PageID:



		TE	M Bulk Talc Structure C	ount Sheet				
Project/ Sample No:	M65947 0.3% Tremol		Grid Box #	8617	No. of Grids Counted	2		
Analyst:	nallyst: Analyst 3		Len		Width	G. O. Area		
Date of Analysis	7/16/2018 0.02055 Post Separation Talc Analysis		1 (1767/4178		G. Q. in microns =	105	105	11025
initial .Weight(g)			d, O, III INCORS =	105 105		11025		
Analysis Type			Post Separation Talc Analysis Grid Acceptance		Average	11025		
Scope No.	Accelerating Voltage	100 KV	Loading%	25%	G.O.s Counted	25		
3	Screen Magnification	20 KX	Area Exat	sined mm*		0.276		

Str.#	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
NSD	A8-E1	······································					***************************************	1
NSD	A8-E10				***************************************			1
1	A8-E2	Fiber	Tremplita	8.1	1,44	5.6	×	X
NSD	A8-E3							
2	A8-E4	Fiber	Tremolite	6.62	0.24	27.6	Х	X
3	A8-E5	Bundle	Tremolite	9.89	0.92	10.8	X	Х
NSD	A8-E6						,	
4	A8-E7	Fiber	Tremolite	6,94	1.3	5.3	×	Х
5	A8-E8	Bundle	Tremolite	15.56	1.42	11.0	Х	X
6	A8-E9	Bundle	Tremolite	45.6	7.5	6,1	X	X
NSD	A8-F1							1
NSD	A8-F10				<u> </u>			
7	A8-F2	Fiber	Tremoille	8.82	1.47	6.0	X	X
NSD	A8-F3							1
NSD	A8-F4					1		1
NSD	A8-F5							
8	A8-G1	Bundle	Tremolite	19.68	1,45	13.6	X	X
NSD	A8-G10							
NSD	A8-G2							
NSD	A8-G3							†
NSO	A8-G4							1
NSD	A8-G5						<u> </u>	1
9	A8-G6	Sundle	Tremolite	5.34	1.02	5.2	×	X
NSD	A8-G7						***************************************	1
NSD	A8-G8					***************************************		1
NSD	A8-G9						······································	

Org. Sample	Sample Wt. Post	
Wi.	HL Separation	
0.02055	0	Ç
Percent of		1
Orig. Post		1
Separation	0	(%)
		-
Wt. Of]
Sample		
Analyzed	0.00002817	g
Filter ske	201.1	mm,
Number of		1
Structures		l
Counted	9	Str.
Structures		ĺ
per Gram of		ŀ
Sample	3.20E+05	Str./g

Detection 3.55E+04 Str./g

Analytical Sensitivity 3.55E+04 Str./g

Digitally signed by MW Rigler, Ph.D. Reviewer /Date Date: 2018 09 06 14:29:53 -04:00

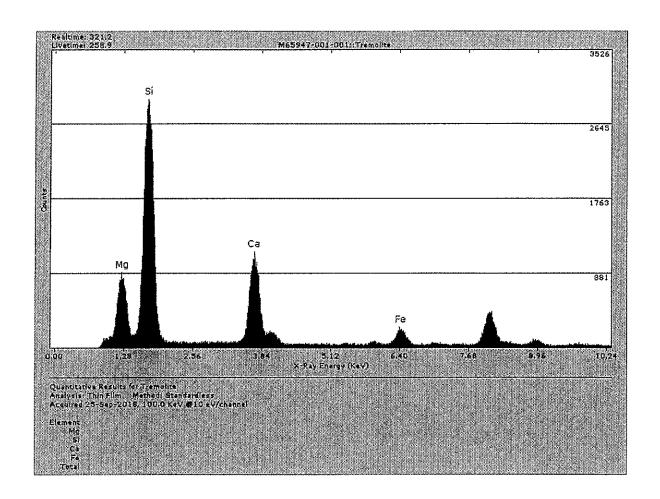
Case 3:16-md-02738-MAS-RLS Document 10712-7 Filed 10/07/19 Page 35 of 104 PageID: 100245

	TE	M Bulk Talc Structure Co	unt Sheet		
Project/ Sample No.	M65947-001 0.3% Tremolite in Talc	Grid Box#	8617	No. of Grids Counted	2
Analyst:	Jose Carrillo	llo (Caraciana)		Width	G. O. Area
Date of Analysis	7/16/2018	- G. O. in microns ⇒	1.05	105	11025
Initial Weight(g)	0.02055	G.O. III (Illicions =	105	105	11025
Analysis Type	Post Separation Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating 100 KV	Loading%	25%	G.O.s Counted	25
3	Screen 20 KX Magnification	Area Exemined mm²			0.276

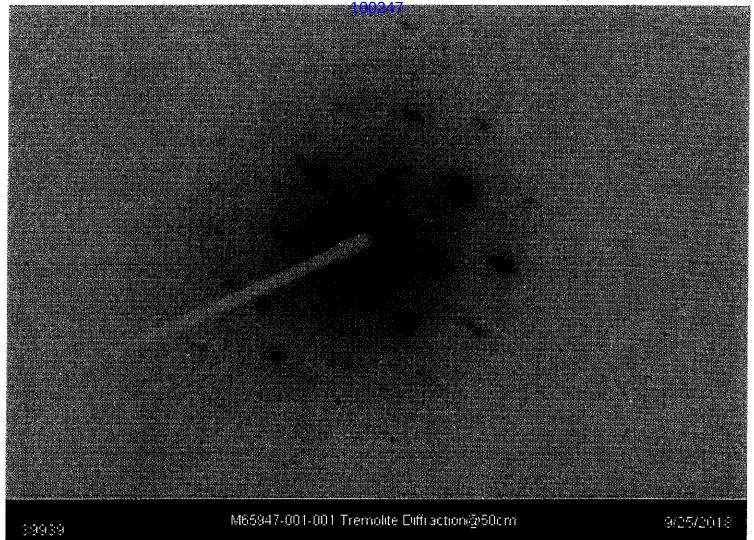
Str.#	Cuid Ozonina	Structure	Asbestos	l marath	Width	Ratio	SAED	EDS
NSD	Grid Opening A8-E1	Structure	Туре	Length	991CLI	Hallo	SAED	EDS
	A8-E10							-
NSD			T		4.44	5.0	.,	
1	A8-E2	Fiber	Tremolite	8.1	1,44	5.6	X	X
NSD	A8-E3							
2	A8-E4	Fiber	Tremolite	6.62	0.24	27.6	X	X
3	A8-E5	Bundle	Tremolite	9.89	0.92	10.8	X	X
NSD	A8-E6							<u> </u>
4	A8-E7	Fiber	Tremolite	6.94	1.3	5.3	Х	X
5	A8-E8	Bundle	Tremolite	15.56	1.42	11.0	Х	X
6	A8-E9	Bundle	Tremolite	45.6	7.5	6.1	X	X
NSD	A8-F1						·	
NSD	A8-F10						<u> </u>	
7	A8-F2	Fiber	Tremolite	8.82	1.47	6.0	X	Х
NSD	A8-F3							
NSD	A8-F4							
NSD	A8-F5							
8	A8-G1	Bundle	Tremolite	19.68	1.45	13.6	X	X
NSD	A8-G10							
NSD	A8-G2							
NSD	A8-G3							
NSD	A8-G4							
NSD	A8-G5		·····				······································	
9	A8-G6	Bundle	Tremolite	5.34	1.02	5.2	X	X
NSD	A8-G7		···				· · · · · · · · · · · · · · · · · · ·	
NSD	A8-G8							
NSD	A8-G9				-			

Org. Sample	Sample Wt. Post				
Wt.	HL Separation				
0.02055	0]g			
Percent of		1			
Orig. Post					
Separation	0	(%)			
		•			
Wt. Of]			
Sample					
Analyzed	0.00002817	g			
Filter size	201.1	mm²			
Number of					7 .
Structures			Detection		
Counted	9	Str.	Limit	3.55E+04	Str./g
Structures					
per Gram of			Analytical		L .
Sample [3.20E+05	Str./g	Sensitivity	3.55E+04	Str./g

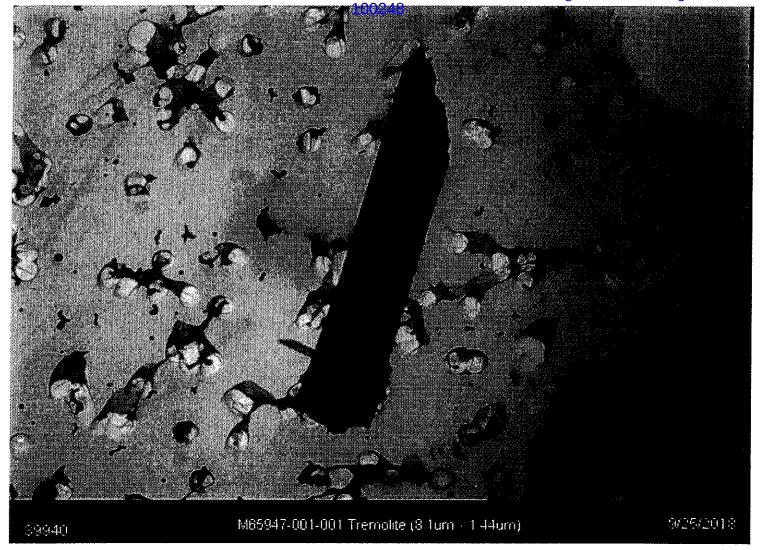
Reviewer / Date _____



Case 3:16-md-02738-MAS-RLS Document 10712-7 Filed 10/07/19 Page 37 of 104 PageID:



Case 3:16-md-02738-MAS-RLS Document 10712-7 Filed 10/07/19 Page 38 of 104 PageID:



TEM Bulk Talc Structure Count Sheet							
Project/ Sample No.	M65947-004 0.3% Anthophylite in Talc	Gild Box #	8617	No. of Grids Counted	2		
Analyst:	Analyst 3	Section of the second	Length	Width	G. O. Area		
Date of Analysis	7/27/2018			105	11025		
Initial Weight(g)	0.02980	G G, in microns ≃	105	105	11025		
Analysis Type	Post Separation Talc Analysis	c Analysis Grid Acceptance		Average	11025		
Scope No.	Accelerating 100 KV Voltage 100 KV	Loading%	25%	G.O.s Counted	25		
3	Screen 20 KX Magnification	Area Examined mm ²			0.276		

Str.#	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
1	A4-A1	Fiber	Anthophylille	7.36	0,46	16.0	X	1 X
2	A4-A1	Bundle	Anthophyllite	33.12	1.84	18.0	X	1 X
NSD	A4-A10	***************************************	1					 ```
NSD	A4-A2	······································		***************************************				
NSD	A4-A3	· ····································						1
NSD	A4-A4	Bundle	Anthophyllite	6.39	1,35	4.6	X	1 ×
3	A4-A5	Bundle	Anthophylite	57,5	2.76	20.8	X	X
4	A4-A6	Bundio	Anthophyllite	44.16	1,38	32.0	X	X
5	A4-A7	Bundie	Anthophyllite	46	4,14	11.1	×	X
NSD	A4-A8							
6	A4-A9	Bundle	Anthophylite	30.3	5.06	6.0	Х	X
7	A4-D10	Bundle	Anthophyllite	19,32	1,68	11.5	×	╆
NSD	A4-D6							 ``
8	A4-D7	Fiber	Anthophyllite	8.61	1,28	8.8	×	<u></u>
9	A4-D8	Bundle	Anthophylite	8.4	0.92	9.1	X	T x
10	A4-D8	Fiber	Anthophyllite	10.92	2.1	5.2	X	†
11	A4-D9	Fiber	Anthophylite	5.67	1.01	5.6	<u>X</u>	X
12	A4-D9	Fiber	Anthophyllite	11.34	1.68	6.8	×	1 ×
NSD	A4-E1						······································	
13	A4-E10	Bundle	Anthophyllite	18.06	2.94	6.1	X	×
14	A4-E10	Fiber	Anthophyilite	17.01	0.34	50.0	<u>X</u>	
15	A4-E2	Fiber	Anthophyllite	22.26	2,52	8.8		T X
16	A/-E3	Fiber	Anthophyllite	6.93	0.67	10.3	X	$\frac{1}{x}$
NSD	A4-E4							
NSD	A4-E5							
17	A4-E6	Fiber	Anthophylide	7.14	0.76	9.4	х	x
18	A4-E7	Bundle	Anthophylite	49.14	2.94	16.7	X	X
NSD	A4-E8							
19	A4-E9	Floer	Anthophylite	3.99	0.59	6.8	Х	X
20	A4-E9	Bundle	Anthophyllite	17.64	1,26	14.0	×	X
	1							

Org. Sample Wt.	Sample Wt. Post HL Separation	
0.02980	0	9
Percent of	***	1
Ong. Post		
Separation	O	(%)
Wt. Of Sample Analyzed Filter size Number of Structures Counted Structures per Gram of Sample	0.00004084 201.1 20 4.90£÷05	g mm² Str. Str./g

Detection 2.45E+04 Str/g
Analytical Sensitivity 2.45E+04 Str.fg

Digitally signed by MW Rigier, Ph.D. Reviewer /Date Date: 2018 09 06 14:30:48 -04:01

Case 3:16-md-02738-MAS-RLS Document 10712-7 Filed 10/07/19 Page 40 of 104 PageID: 100250

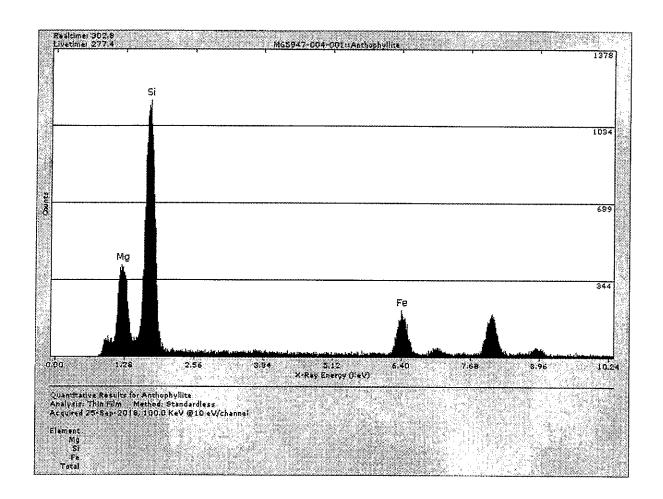
	TEM Bulk Talc Structure Count Sheet							
Project/ Sample No.	M65947-00 0,3% Anthophyllit		Grid Box#	8617	Na. of Grids Counted	2		
Analyst:	Jose Carril	io	Salard Made St. Arrang. Princip	Length	Width	G. O. Area		
Date of Analysis	7/27/2018 0.02980		G. Q. in microns =	105	105	11025		
Initial Weight(g)			In the case of the control of the co		105	11025		
Analysis Type			Grid Acceptance	Yes	Average	11025		
Scope No.	Accelerating Voltage	100 KV	Loading%	25%	G.O.s Counted	25		
3	Screen Magnification	20 KX	Area Exam	ined mm²	0.0000	0.276		

			Asbestos					
Str. #	Grid Opening	Structure	Type	Length	Width	Ratio	SAED	EDS
1	A4-A1	Fiber	Anthophyllite	7.36	0.46	16.0	Х	Х
2	A4-A1	Bundle	Anthophyllite	33.12	1.84	18.0	Х	X
NSD	A4-A10							
NSD	A4-A2						***************************************	
NSD	A4-A3							
NSD	A4-A4	Bundle	Anthophyllite	6.39	1.38	4.6	×	X
3	A4-A5	Bundle	Anthophyllite	57 <i>.</i> 5	2.76	20.8	X	Х
4	A4-A6	Bundle	Anthophyllite	44.16	1.38	32.0	X	X
5	A4-A7	Bundle	Anthophyllite	46	4,14	11.1	X	X
NSD	A4-A8	·						
6	A4-A9	Bundle	Anthophyllite	30.3	5.06	6.0	Х	Х
7	A4-D10	Bundle	Anthophyllite	19.32	1.68	11.5	Х	Х
NSD	A4-D6							
8	A4-D7	Fiber	Anthophyllite	8.61	1.26	6.8	X	Х
9	A4-D8	Bundle	Anthophyllite	8.4	0.92	9.1	X	Х
10	A4-D8	Fiber	Anthophyllite	10.92	2.1	5.2	X	X
11	A4-D9	Fiber	Anthophyllite	5.67	1.01	5.6	X	X
12	A4-D9	Fiber	Anthophyllite	11.34	1.68	6.8	×	X
NSD	A4-E1							1
13	A4-E10	Bundle	Anthophyllite	18.06	2.94	6.1	Х	X
14	A4-E10	Fiber	Anthophyllite	17.01	0.34	50.0	X	X
15	A4-E2	Fiber	Anthophyllite	22.26	2.52	8.8	X	X
16	A4-E3	Fiber	Anthophyllite	6.93	0.67	10.3	X	Х
NSD	A4-E4							
NSD	A4-E5							1
17	A4-E6	Fiber	Anthophyllite	7.14	0.76	9.4	Х	X
18	A4-E7	Bundle	Anthophyllite	49,14	2.94	16.7	Х	X
NSD	A4-E8							
19	A4-E9	Fiber	Anthophyllite	3,99	0.59	6.8	Х	X
20	A4-E9	Bundle	Anthophyllite	17.64	1.26	14.0	X	Х

Org. Sample	Sample Wt. Post				
Wt.	HL Separation				
0.02980	0	9			
Percent of		1			
Orig. Post					
Separation	Ô	(%)			
ſ		1			
Wt. Of Sample					
Analyzed	0.00004084	g			
Filter size	201.1	mm²			
Number of		Ì			
Structures					
Counted	20	Str.			
Structures]			
per Gram of					
Sample	4.90E+05	Str./g			

		ì
Detection Limit	2.45E+04	Str./g
Analytical Sensitivity	2.45E+04	Str./g

Reviewer /Date



Case 3:16-md-02738-MAS-RLS Document 10712-7 Filed 10/07/19 Page 42 of 104 PageID:



M65947-004-001 Anthophyllite diffraction@50cm

9/25/2018

Case 3:16-md-02738-MAS-RLS Document 10712-7 Filed 10/07/19 Page 43 of 104 PageID:



TEM Bulk Talc Structure Count Sheet									
Project/ Sample No.			Grid Box #	8617	No. of Grids Counted	2			
Analyst:	Analys	t 4	177 of the Section of Consideration	Length	Width	G. O. Area			
Date of Analysis	7/11/2018 - 7/12/2018 0.02055 Post Separation Talc Analysis		G. O. in microns≔	105	105	-11025			
initial Weight(g)				55	- C. C., in pilcoos.*	105	105	11025	
Analysis Type							Grid Acceptance	Yes	Average
Scope No	Accelerating Voltage	100 KV	Loading%	25%	G.O.s Counted	25			
3	Screen Magnification	20 KX	Area Examined mm?			0.276			

Sir. #	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
NSD	A8-E1	······································						1
NSD	A8-E10							1
1	A8-E2	Bundle	Tremolite	8.8	1.3	6.8	Х	X
NSD	A8-E3							1
5	A8-E4	Fiber	Tremolite	5.9	0.2	29.5	Х	X
3	A8-E5	Fiber	Tremolite	10.1	0.84	12.0	X	X
NSD	A8-E6							1
4	A8-E7	Fiber	Tremolite	6.8	0.84	8.1	Х	X
5	A8-E8	Fiber	Tremolite	13.8	0.9	15.3	X	X
6	A8-E9	Fiber	Tremolite	39.5	6.4	6.2	·	1
NSD	A8-F1							
NSD	A8-F10							1
7	A8-F2	Bundle	Tremolile	8.2	1.4	5,9	X	×
NSD	A8-F3			······································				
NSD	A8-F4							
NSD	A8-F5							
8	A8-G1	Fiber	Tremolite	18.6	1.1	16.9	X	×
NSD	A8-G10							1
NSD	A8-G2					·····	***************************************	1
NSD	A8-G3							1
9	A8-G4	Fiber	Tremplite	4.5	0.8	5,6	X	×
NSD	A8-G5					****		1
10	A8-G6	Bundle	Tremolite	4.6	0.8	5.8	Х	×
NSD	A8-G7			The state of the s				1
NSD	A8-G8	·						
NSD	A8-G9		1					1

Org. Sample	Sample Wt. Post	
Ws.	HLSeparation	
0.02055	0	ā
Percent of		
Orig. Post		
Separation	O	(%)
	**************************************	•
Wt. Of		Ì
Sample		ļ .
Analyzed	0.00002817	g
Fliter size	201.1	uning.
Number of		
Structures		
Counted	10	Str.
Structures		
per Gram of		
Sample	3.55E+05	Str./g

Detection Limit	3.55E+04	Sk./g
Analytical Sensitivity	3.55E+04	Str./g

Digitally signed by MW Rigler, Ph.D. Reviewer /Date <u>Date: 2016.09.06.14.30:08-04:00</u>

Case 3:16-md-02738-MAS-RLS Document 10712-7 Filed 10/07/19 Page 45 of 104 PageID: 100255

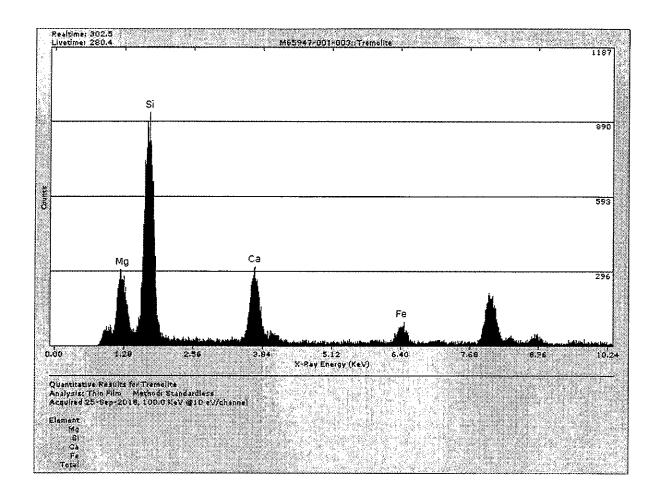
TEM Bulk Talc Structure Count Sheet							
Project/ Sample No.	M65947-001 0.3% Tremolite in Talc	Grid Box#	8617	No. of Grids Counted	2		
Analyst:	Jayme Callan	e Callan		Width	G. O. Area		
Date of Analysis	7/11/2018 - 7/12/2018	G. O. In microns ≘	105	105	11025		
Initial Weight(g)	0.02055		105	105	11025		
Analysis Type	Post Separation Talc Analysis	Grid Acceptance	Yes	Average	11025		
Scope No.	Accelerating 100 KV	Loading%	25%	G.O.s Counted	25		
3	Screen 20 KX Magnification	Area Exam	ined mm²		0.276		

Str. #	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
NSD	A8-E1							
NSD	A8-E10		***************************************		······································			
1	A8-E2	Bundle	Tremolite	8.8	1.3	6.8	X	X
NSD	A8-E3						······································	
2	A8-E4	Fiber	Tremplite	5.9	0.2	29.5	Х	Х
3	A8-E5	Fiber	Tremolite	10.1	0.84	12.0	Х	Х
NSD	A8-E6							
4	A8-E7	Fiber	Tremolite	6.8	0.84	8.1	Х	X
5	A8-E8	Fiber	Tremolite	13.8	0.9	15.3	Х	X
6	A8-E9	Fiber	Tremolite	39.5	6.4	6.2		
NSD	A8-F1							
NSD	A8-F10							
7	A8-F2	Bundle	Tremolite	8.2	1.4	5.9	X	X
NSD	A8-F3							-
NSD	A8-F4							
NSD	A8-F5							
8	A8-G1	Fiber	Tremolite	18.6	1.1	16.9	Х	X
NSD	A8-G10							
NSD	A8-G2							1
NSD	A8-G3							1
9	A8-G4	Fiber	Tremolite	4.5	8.0	5.6	Х	X
NSD	A8-G5							
10	A8-G6	Bundle	Tremolite	4.6	0.8	5.8	X	X
NSD	A8-G7						***************************************	
NSD	A8-G8							
NSD	A8-G9				· · · · · · · · · · · · · · · · · · ·			

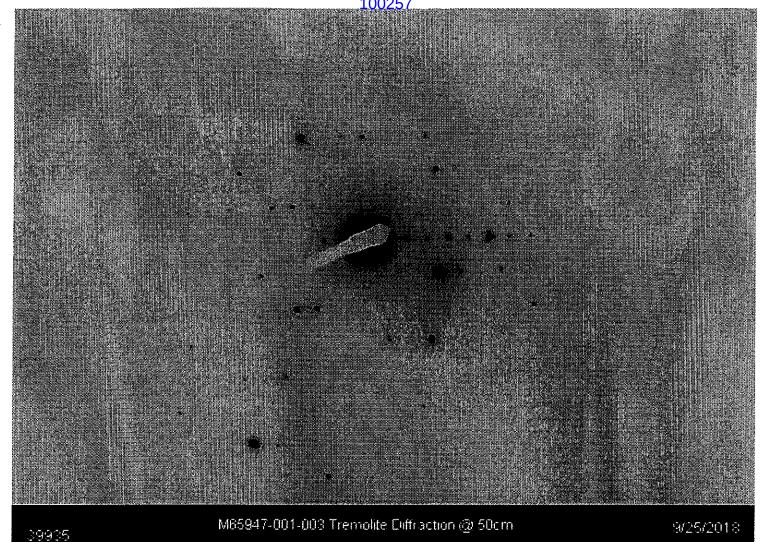
Org. Sample	Sample Wt. Post	
Wt.	HL Separation	
0.02055	0]g
Percent of]
Orig. Post		
Separation	0	(%)
,		•
Wt. Of		1
Sample		
Analyzed	0.00002817	g
Filter size	201.1	mm²
Number of		
Structures		
Counted	10	Str.
Structures		ĺ
per Gram of		
Sample	3.55E+05	Str./g

Detection Limit	3.55E+04	Str./g
Analytical Sensitivity	3.55E+04	Str./g

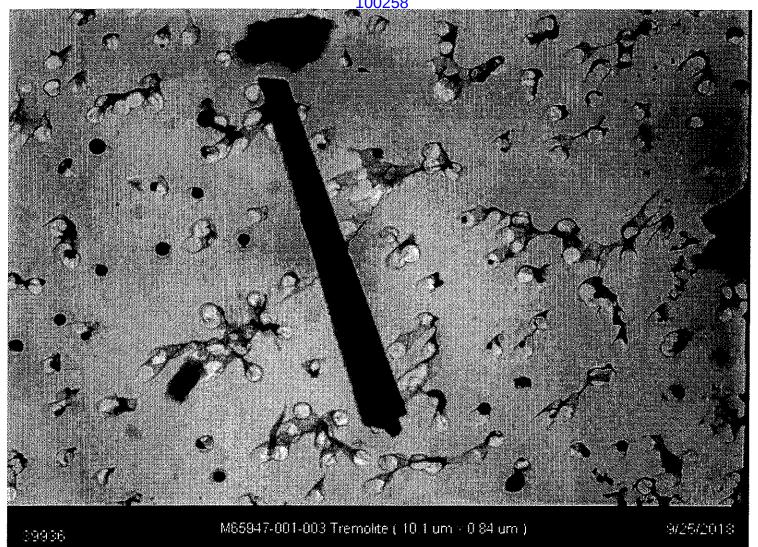
Reviewer /Date



 Case 3:16-md-02738-MAS-RLS Document 10712-7 Filed 10/07/19 Page 47 of 104 PageID: 100257



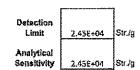
 Case 3:16-md-02738-MAS-RLS Document 10712-7 Filed 10/07/19 Page 48 of 104 PageID: 100258



	TEM Bulk Talc Structure Count Sheet						
Project/ Sample No.	M65947-004 0.3% Anthophyllite in Talc	Grid Box #	8617	No. of Grids Counted	2		
Analyst:	Analyst 4		Length	Welth	G; C, Area		
Date of Analysis	7/23/2018 - 7/25/2018	G,O. in microns =	105	105	11025		
inital Weight(g)	0.02980		105 105		11025		
Analysis Type	Post Separation Talc Analysis	Grid Acceptance	Yes	Average	11025		
Scope No.	Accelerating 100 KV	Loading%	25%	G.O.s Counted	25		
3	Scregn 20 KX Magnification	Area Exam	ined min*		0.276		

Str.#	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
1	A4-A1	Fiber	Anthophyllite	6.4	0.38	16.8	X	X
2	A4-A1	Bundle	Anthophyllite.	31.5	2.2	14.3	х	X
NSD	A4-A10							
NSD	A4-A2							
NSD	A4-A3							
3	A4-A4	Bundle	Anthophylite	5.5	1.2	4.8	X	Х
4	A4-A5	Bundle	Anthophylide	\$5,5	2.4	23.1	X	Х
5	A4-A6	Bundle	Anthophyliite	43.5	1.2	36.3	X	Х
ô	A4-A7	Bundle	Anthophyllite	43.2	3.6	12.0	×	X
NSD	A4-A8	······						1
7	A4-A9	Bundle	Anthophyllite	27.5	4.4	6.3	Х	X
8	A4-D10	Bundle	Anthophyllite	18.9	1.7	11.1	X	X
NSD	A4-D6							
9	A4-D7	Bundle	Anthophylide	8.3	1,2	6.9	X	X
10	A4-D8	Bundle	Anthophylite	9,3	1,1	8.5	X	X
11	A4-D8	Bundle	Anthophyllite	11.1	1,8	5.2	×	×
12	A4-D9	Bundle	Anthophyllite	6,3	0,82	7.7	×	X
13	A4-09	Fiber	Anthophyllite	10.1	1.5	5,7	х	X
NSD	A4-E1							1
14	A4-E10	Fiber	Anthophyllite	4.2	0.24	17.5	×	X
15	A4-E10	Bundle	Anthophylite	19.3	0.84	23.0	X	X
16	A4-E2	Fiber	Anthophyllite	22,3	2.1	10.8	Х	Х
17	A4-E3	Fiber	Anthophyllite	6.3	0.68	9.3	X	Х
NSD	A4-E4			i				1
NSD	A4-E5							1
48	A4-E6	Fiber	Anthophylite	7.8	0.7	11.1	Х	X
19	A4-E7	Bundle	Anthophylide	50.2	3.1	16.2	X	×
NSD	A4-E8							
20	A4-E9	Bundle	Anthophylite	10,4	1.2	8.7	Х	х
21	A4-E9	Bundle	Anthophylite	21.3	1.2	17.8	X	X
22	A4-E9	Fiber	Anthophylite	3.7	0.5	7.4	X	X

Org, Sample Wt.	Sample Wit. Post Hil Separation	
0.02980	0	9
Percent of]
Orig. Post		
Separation	0	(%)
•		
Wt. Of		1
Sample		
Anslyzed	0.00004084	g
Filter size	201,1	mm²
Number of		1
Structures		
Counted	22	Str.
Structures	***************************************	
per Gram of		
Sample	5.39E+05	Str./g
•		•



Digitally signed by MW Rigler, Ph.D. Reviewer Date Date: 2018 19 06 14:01:03 .04:00

Case 3:16-md-02738-MAS-RLS Document 10712-7 Filed 10/07/19 Page 50 of 104 PageID: 100260

	TE	M Bulk Talc Structure Co	ount Sheet		
Project/ Sample No.	M65947-004 0.3% Anthophyllite in Talc	Grid Bok.#	8617	No. of Grids Counted	2
Analyst:	Jayme Callan		Length	Width	G.O. Area
Date of Analysis	7/23/2018 - 7/25/2018	G. O. in microns =	105	105	11025
Initial Weight(g)	0.02980	C. O' maile la	105	105	11025
Analysis Type	Post Separation Talc Analysis	Grid Acceptance	Yøs	Average	11025
Scope No.	Accelerating 100 KV	Loading%	25%	G.O.s Counted	25
3	Screen 20 KX Magnification	Area Exam	ined mm²		0.276

Str. #	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
1	A4-A1	Fiber	Anthophyllite	6.4	0.38	16.8	X	X
2	A4-A1	Bundle	Anthophyllite	31.5	2.2	14.3	X	X
NSD	A4-A10		 					
NSD	A4-A2							<u> </u>
NSD	A4-A3							
3	A4-A4	Bundle	Anthophyllite	5.5	1,2	4.6	Х	Х
4	A4-A5	Bundle	Anthophyllite	55.5	2.4	23.1	Х	Х
5	A4-A6	Bundle	Anthophyllite	43.6	1.2	36.3	Х	X
6	A4-A7	Bundle	Anthophyllite	43.2	3.6	12.0	Х	X
NSD	A4-A8		<u> </u>					
7	A4-A9	Bundle	Anthophyllite	27.5	4.4	6.3	Х	Х
8	A4-D10	Bundle	Anthophyllite	18.9	1.7	11.1	Х	X
NSD	A4-D6							
9	A4-D7	Bundle	Anthophyllite	8.3	1.2	6,9	X	X
10	A4-D8	Bundle	Anthophyllite	9.3	1,1	8.5	X	X
11	A4-D8	Bundle	Anthophyllite	11.1	1.8	6.2	Х	Х
12	A4-D9	Bundle	Anthophyllite	6.3	0.82	7.7	Х	Х
13	A4-D9	Fiber	Anthophyllite	10.1	1.5	6.7	Х	Х
NSD	A4-E1							
14	A4-E10	Fiber	Anthophyllite	4.2	0.24	17.5	Х	Х
15	A4-E10	Bundle	Anthophyllite	19.3	0.84	23.0	Х	Х
16	A4-E2	Fiber	Anthophyllite	22.3	2.1	10.6	Х	Х
17	A4-E3	Fiber	Anthophyllite	6.3	0.68	9.3	Х	Х
NSD	A4-E4							
NSD	A4-E5							
18	A4-E6	Fiber	Anthophyllite	7.8	0.7	11.1	Х	Х
19	A4-E7	Bundle	Anthophyllite	50.2	3.1	16.2	Х	Х
NSD	A4-E8							
20	A4-E9	Bundle	Anthophyllite	10.4	1.2	8.7	Х	Х
21	A4-E9	Bundle	Anthophyllite	21.3	1.2	17.8	Х	Х
22	A4-E9	Fiber	Anthophyllite	3.7	0.5	7.4	Х	X

Org. Sample	Sample Wt. Post
Wt.	HL Separation

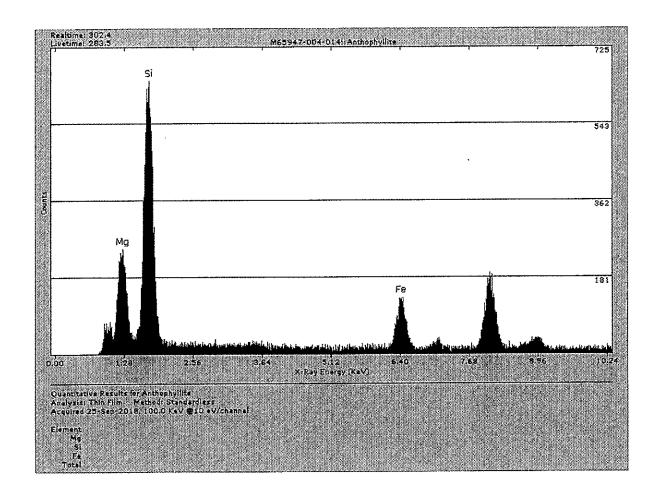
•••	() L Deparation	_
0.02980	0	g
Percent of		1
Orig. Post		
Separation	0	(%)
		_
Wt. Of		1
Sample		
Analyzed	0.00004084	g
Filter size	201.1	mm ²
Number of		1
Structures		
Counted	22	Str.
Structures		7
per Gram of		

Sample

	r	l
Detection Limit	2.45E+04	Str./g
Analytical Sensitivity	2.45E+04	Str./g

Reviewer Date

5.39E+05 Str./g



 Case 3:16-md-02738-MAS-RLS Document 10712-7 Filed 10/07/19 Page 52 of 104 PageID: 100262



* Case 3:16-md-02738-MAS-RLS Document 10712-7 Filed 10/07/19 Page 53 of 104 PageID:

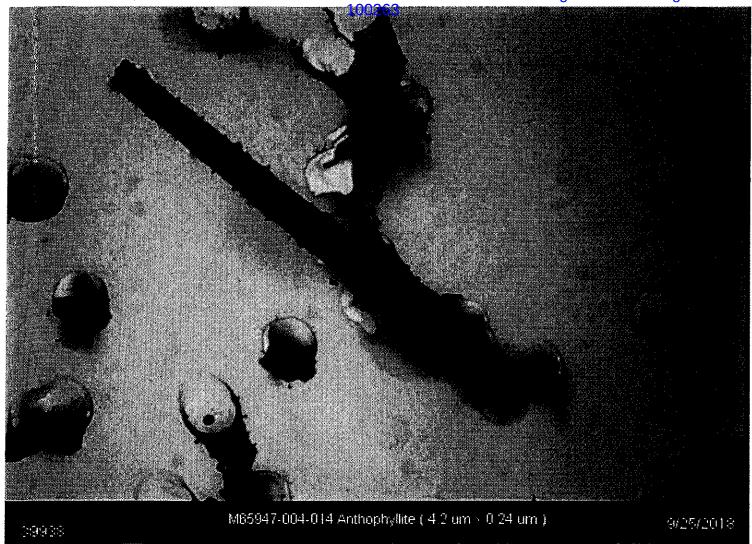


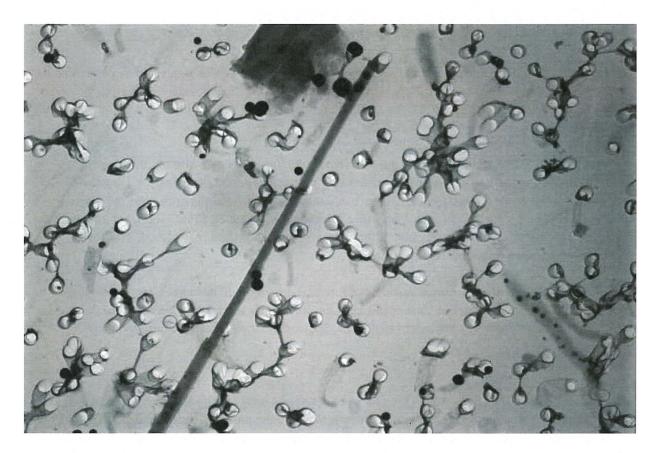
Exhibit 24



6110 W. 34th Street Houston, TX 77092

(713) 290-0221 www.j3resources.com

Verified Analysis of 22 Asbestos Structures Identified by MAS in Six Historical Johnson's Baby Powder Samples (M69042)



Lee W. Poye

J3 Resources, Inc.

November 7, 2018





November 7, 2018

Joseph D. Satterley, Esq. Kazan McClain Satterley & Greenwood 55 Harrison St. Suite 400 Oakland, CA 94607

RE: Verified Asbestos Analysis of Johnson's Baby Powder Samples

Dear Mr. Satterley,

Enclosed please find the findings of the Verified Asbestos Analysis (VAA) you requested be performed on twenty-two asbestos structures originally identified in six *Johnson's Baby Powder* talc samples analyzed by MAS, LLC and dated October 2018. The MAS, LLC report detailing all their findings is titled "*Analysis of Historical Johnson's Baby Powder M69042*".

I arrived at MAS, LLC at 8:00 am Wednesday, October 31, 2018 where I met with Mr. Bill Longo, PhD prior to conducting the VAA on his analysis of *Johnson's Baby Powder* talc samples. Dr. Longo and I reviewed the above-mentioned MAS, LLC report, and then I was provided the grids I was to analyze. Finally, I was escorted by Dr. Longo to a lab with a functional JEOL 1200EX ATEM. A total of 22 reported asbestos structures (21 anthophyllite and 1 tremolite) were relocated and re-analyzed. The entire exercise was completed in approximately 4 hours.

In addition, I also provided Dr. Longo a Grid Box containing grids from J3 Resources, Inc.'s previously prepared and analyzed Shower to Shower talc samples. This grid box was provided to Dr. Longo to allow MAS to conduct a VAA on J3's analysis of sixteen J&J Shower to Shower cosmetic talc samples.

Summary of Results

All 22 particles were readily located in the grid openings as originally reported. Additionally, the dimensions measured during the VAA approximately matched the measurements originally reported. While there was 100% agreement the 22 asbestos structures reported were anthophyllite and tremolite, I judged 2 of the 22 structures did not meet the strict definition of a regulated asbestos fiber (parallel sides). I was able to complete my VAA. Overall, this VAA yielded a >90% validation rate. The table below documents the findings of this VAA. Appendix A contains the raw data from both the original report and details any time my assessment differed from the original determination.

Summary of Verified Analysis of 22 Asbestos Structures Detected in Six Historical Johnson's Baby Powder Originally Analyzed by MAS, LLC

SAMPLE #	STR#	GO	DIMENSION (μM)	STR. TYPE	ID	VERIFIED
M69042-001	1	B8	14 x 0.4	B/Grid Bar	Anth	Yes
	2	D10	2 x 0.4	В	Anth	Yes
	3	A2	15.5 x 2.0	В	Anth	Yes
	4	C6	10 x 0.25	F	Anth	Yes
	5	C10	22 x 2.5	Cleav Frag/Trans	Anth/Talc	No
M69042-002	1	В8	35 x 1.5	В	Anth	Yes
	2	B8	12 x 1.0	В	Anth	Yes
	3	E1	6 x 1.0	F	Anth	Yes
	4	E9	5.5 x 0.6	В	Anth	Yes
	5	H7	32 x 0.9	В	Anth	Yes
	6	C1	10 x 1.1	В	Anth	Yes
	7	G3	10.5 x 1.0	В	Anth	Yes
M69042-003	1	A8	4.5 x 0.4	Cleav Frag	Trem	No
	2	F3	3.2 x 0.4	В	Anth	Yes
M69042-004	1	A8	14 x 0.4	В	Anth	Yes
	2	F1	4 x 0.35	В	Anth	Yes
	3	E3	13 x 0.5	В	Anth	Yes
M69042-008	1	C2	4 x 0.5	В	Anth	Yes
	2	B1	8 x 1.5	В	Anth	Yes
	3	C6	5 x 0.5	В	Anth	Yes
M69042-010	1	F5	9 x 1.5	В	Anth	Yes
	2	A9	8.5 x 0.5	В	Anth	Yes

Thank you very much for the opportunity to work on this project. I am available to answer any questions regarding the findings of my VAA and can be reached at 713-290-0221.

Sincerely,

Lee W. Poye

VP-J3 Resources, Inc.



APPENDIX



Date: 31-Oct-2018

Analyst: Lu Poye

Grid Square ID:

I		l	<u> </u>		1	
Structure No.	Length(µm)	Width(µm)	Type(F,B,C)	Sketch	ID	Verified(Y/N)
1/B8	14	0.4	B/X		Anth	Y
2/00	2	0.4	B		Anth	У
3/A2	15.5	2.0	B		Anth	Ϋ́
4/06	10	0.25	F		Anth	Y
4/C6 5/C10	22	2.5	Clear Fra	e Trans	Anth/Tak	NO

***************************************		***************************************				
ALEXANDER OF THE PROPERTY OF T		1				

Total No. of S True Positive False Positive False Negativ	s: es:	4		PG	s. <u></u> of
	a Barana a		-		

Project/ Sample No.	M69042	M69042-001 Grid Box # 8637 Mehrdad Motamedi Length		8637	No. of Grids Counted	2
Analyst:	Mehrdad M			Length	Width	G. O. Area
Date of Analysis	10/25/2018-1	0/26/2018		105	105	11025
Initial Weight(g)	0.040	77	G. O. In microns =	105	105	11025
Analysis Type	Post Separation	tion Talc Analysis Grid Acceptance	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Area Examined mm²			1.103

AND THE RESIDENCE OF THE PARTY	1		Asbestos	A CONTRACTOR OF THE PARTY OF TH	T	T	<u> </u>	T
Str.#	Grid Opening	Structure	Туре	Length	Width	Ratio	SAED	EDS
NSD	A2-A1							
NSD	A2							
NSD	A3							
NSD	A4	***************************************	1			***************************************		
NSD	A5		-		<u> </u>			
NSD	A6	***************************************						
NSD	A7	***************************************	-					***************************************
NSD	A8							
NSD	A9		 	**************************************		 		
NSD	A10	~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	+				***************************************	
NSD	B1	***************************************						
NSD	B2	00000000000000000000000000000000000000	-					
NSD	B3		 	terrence de la contratación de la c				
NSD	B4	***************************************	-	-				
NSD	B5		 					
NSD	B6		-					
NSD	B7	***	-					
1	B8	Fiber	Anthophyllite	14.4	0.4	36.0	Х	Х
NSD	B9	1 1001	Paralopriyinte	1-77	0.4			
NSD	B10	******************************						
NSD	C1							
NSD	C2							
NSD	C3							
NSD	C4	***************************************					*************************	
NSD	C5							
NSD	C6		<u> </u>					
NSD	C7							
NSD	C8						*****************************	
NSD	C9	### **********************************	 					
NSD	C10	***************************************				***************************************		
	A company and the company and a second							ļ
NSD	D1							<u> </u>
NSD	D2	***************************************	ļ					
NSD	D3							
NSD	D4							
NSD	D5	***************************************						
NSD	D6							
NSD	D7	****						
NSD	D8	MINISTER CONTRACTOR CO			***************************************			
NSD	D9	pior)	A . D / 10:			<u> </u>	-	
2	D10	Fiber	Anthophyllite	2.3	0.4	5.8	X	X
NSD	E1					***************************************	idelitatika (1909-1909) yang diperioran perioran berioran berioran berioran berioran berioran berioran beriora	
NSD	E2					***************************************		
NSD	E3							
NSD	E4						and the second s	
NSD	E5	****					***************************************	
NSD	E6							
NSD	E7	***************************************						
NSD	E8							
NSD	E9							***************************************
NSD	E10		<u> </u>				************************************	

		TEN	I Bulk Talc Structure C	ount Sheet		
Project/ Sample No.	M69042	-001	Grid Box#	8637	No. of Grids Counted	2
Analyst:	Mehrdad Me	otamedi		Length	Width	G. O. Area
Date of Analysis	10/25/2018-10	0/26/2018	G. O. In microns =	105	105	11025
Initial Weight(g)	0.040	77	G. O. in middis =	105	105	11025
Analysis Type	Post Separation Talc Analysis		Grid Acceptance Yes		Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Area Examined mm²			1.103

NSD		X
NSD	X	X
S	X	
NSD		
NSD	-	-
NSD		***************************************
NSD		
NSD		***************************************
NSD		
NSD		
NSD		
NSD C2		
NSD C3		
NSD C4 NSD C5 4 C6 Fiber Anthophyllite 10 0.2 50.0 NSD C7 NSD C8		
NSD C5		
4 C6 Fiber Anthophyllite 10 0.2 50.0 NSD C7 NSD C8 <		
NSD C7		
NSD	X .	X
NSD C9 5 C10 Bundle Anthophyllite 22.5 2.5 9.0 NSD D1 .		
5 C10 Bundle Anthophyllite 22.5 2.5 9.0 NSD D1 <t< td=""><td></td><td></td></t<>		
NSD D1		
NSD D2	X 2	Х
NSD D3		
NSD D4		
NSD D5		
NSD D6		
NSD D7		
NSD D8		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
NSD D9		
NSD D10		
NSD E1		
NSD E2		
NSD E3		
NSD E4		
NSD E5		
NSD E6		
NSD E7	1	
NSD E8		
NSD E9		
NSD E10		

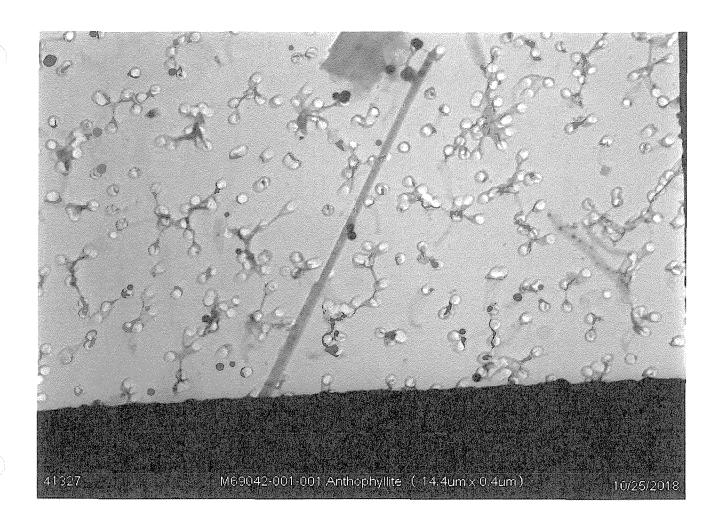
Project/ Sample No.	м69042	-001	Grid Box#	8637	No. of Grids Counted	2
Analyst:	Mehrdad M	otamedi		Length	Width	G. O. Area
Date of Analysis	10/25/2018-1	0/26/2018	G. O. In microns =	105	105	11025
Infilal Weight(g)	0.040	77	G. O. III Microns –	105	105	11025
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Area Examined mm²			1.103

			Asbestos					
Str.#	Grid Opening	Structure	Type	Length	Width	Ratio	SAED	EDS

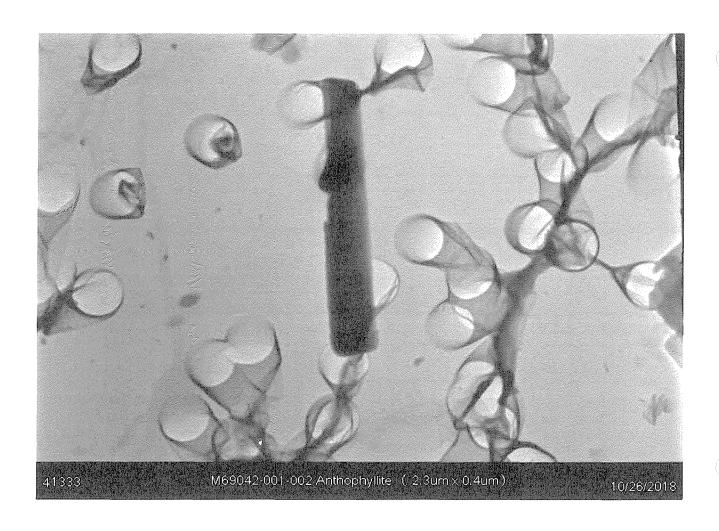
Org. Sample	Post HL	
Wt.	Separation	
0.04077	0.04077	g
Percent of		
Orig. Post		
Separation	100	(%)
Wt. Of		1
Sample		
Analyzed	0.00022352	9
Filter size	201.1	mm²
Number of		1
Structures		ĺ
Counted	5	Str.
Structures	PARTICIPATION	1
per Gram of		
Sample	2.24E+04	Str./a

Sample Wt.

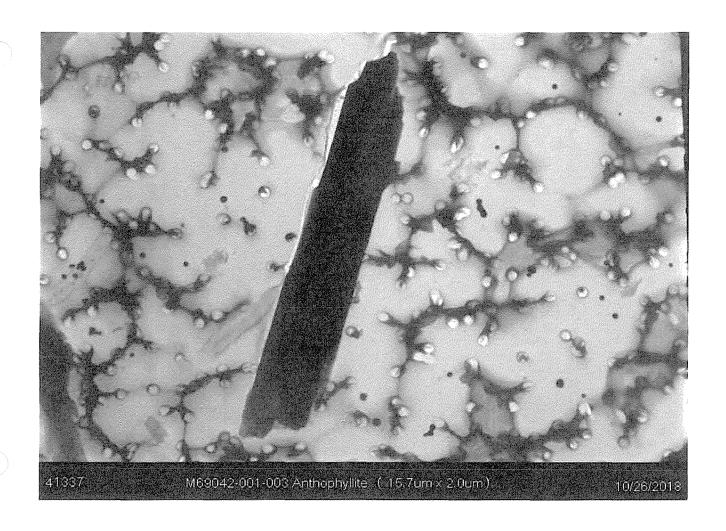
Detection Limit	4.47E+03	Str./g
Analytical Sensitivity	4.47E+03	Str./g



J3 Verified Asbestos Analysis (Y/N) - YES



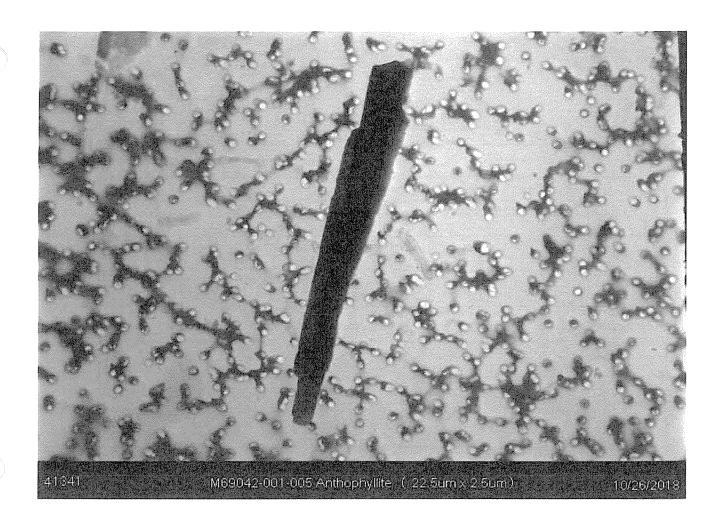
J3 Verified Asbestos Analysis (Y/N) - YES



J3 Verified Asbestos Analysis (Y/N) - YES



J3 Verified Asbestos Analysis (Y/N) - YES



J3 Verified Asbestos Analysis? - NO Cleavage Fragment/Transitional



Verified Analysis Count Sheet
SampleID: MG9042 -002
Grid Square ID:

Structure No.	Length(µm)	Width(µm)	Type(F,B,C)	Sketch	lD D	Verified(Y/N)
1/B8	35	1.5	B		Antho	Y
2/38	12	1.0	B		Antho	Y
3/EI	6	1.0	F		Autho	Y
4/E9	9.5	0.6	\mathcal{B}		Antho	Y
5/H7	32	0.9	\mathcal{B}		Autho	Y
6/01	10	1.1	B		Autho	Y
7/G3	10.5	1.0	B		Autho	Y
•						

Total No. of Structures:	1
True Positives:	3
False Positives:	<u>Ø</u> _
False Negatives:	

PG.___of__(

			Bulk Talc Structure C		and the second s			
Project/ Sample No.	M69042-002		M69042-002		Grid Box #	8621	No. of Grids Counted	2
Analyst:	Anthony Keeton			Length	Width	G. O. Area		
Date of Analysis	9/26/2018 - 9/28/2018 &10/27/2018 0.02000 Post Separation Talc Analysis Accelerating 100 KV		G. O. In microns =	105	105	11025		
Initial Weight(g)			G. O. III IIIIddis –	105	105	11025 11025		
Analysis Type			Grid Acceptance	Yes	Average			
Scope No.			Loading% 12%		G.O.s Counted	100		
2	Screen Megnification	20 KX	Area Examined mm²			1.103		

l			Asbestos	1	I			T
Str.#	Grid Opening	Structure	Type	Length	Width	Ratio	SAED	EDS
NSD	B2-B6		1					
NSD	B7							
1	B8	Bundle	Anthophyllite	35.4	1.8	19.7	Х	Х
2	<u> </u>	Bundle	Anthophyllite	12.4	1.1	11.3	X	X
NSD	B9		7.0.0.0.00,7,7,7,7			1,714		
NSD	B10						<u></u>	
NSD	C3							
NSD	C4							1
NSD	C5		<u> </u>	***************************************				
NSD	C6		 	(**************************************	†
NSD	C7							
NSD	C8		·		**************************************			
NSD	C9							
NSD	C10			·	***************************************		······································	
3	E1	Bundle	Anthophyllite	6.4	1,1	5.8	×	X
NSD	E2	DUTUR	Anthophymia	0.4	1.1	3.0		
NSD	E3			***************************************	***************************************			
							****	ļ
NSD	E4							
NSD	E5	***************************************			***************************************			
NSD	E6				×			ļ
NSD	E7		ļ		***************************************			
NSD	E8							<u> </u>
4	E9	Bundle	Anthophyllite	6	0.7	8.6	Х	X
NSD	E10	· · · · · · · · · · · · · · · · · · ·						<u></u>
NSD	F1							
NSD	F2							
NSD	F3							<u> </u>
NSD	F4			:				
NSD	F5							
NSD	F6							
NSD	F7							
NSD	F8							
NSD	F9							
NSD	F10							
NSD	G1							
NSD	G2							
NSD	G3							
NSD	G4							
NSD	G5							
NSD	G6							
NSD	G7		†				***************************************	
NSD	G8	***************************************	<u> </u>		***************************************			l
NSD	G9		t		***************************************			
NSD	G10						······································	
NSD	H3				·····			
NSD	H4				***************************************			
NSD	H5				***************************************			
NSD	H6							l
5	H7	Bundle	Anthophyllite	34.5	1,1	31.4	X	x
NSD	H8							
								L

Project/	Designed				No. of Grids	
Sample No.	M69042-002		Grld Box#	8621	Counted	2
Analyst:	Anthony Keeton			Length	Width	G. O. Area
Date of Analysis	9/26/2018 - 9/28/2018 &10/27/2018 0.02000 Post Separation Talc Analysis Accelerating Voltage 100 KV		G. O. In microns =	105 105	105	11025 11025 11025
initial Weight(g)			G. O. III MICONS –		105	
Analysis Typa			Grid Acceptance	Yes	Average	
Scope No.			Loading% 12%		G,O.s Counted	100
2	Screen Magnification	20 KX	Area Examined mm²			1.103

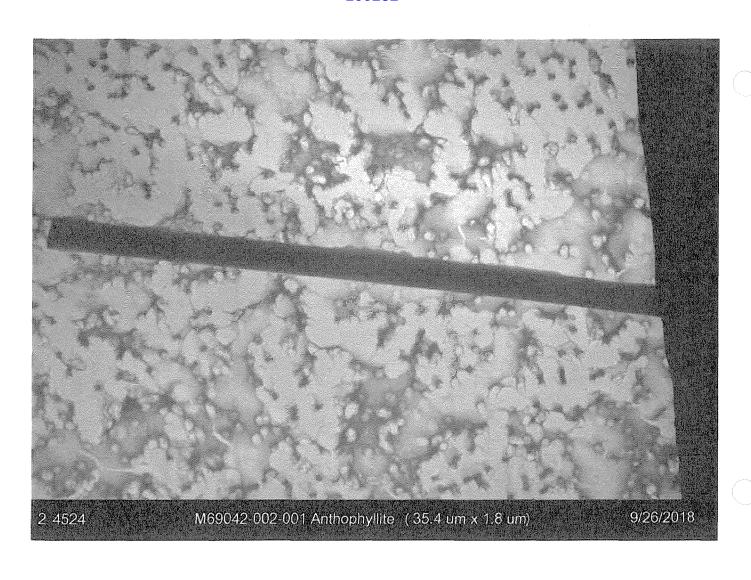
		***************************************	Asbestos	***************************************	<u> </u>	T	T	T
Str.#	Grid Opening	Structure	Туре	Length	Width	Ratio	SAED	EDS
NSD	H9							
NSD	B3-B1							
NSD	82							
NSD	B3							
NSD	84							
NSD	B5							
NSD	B6							
NSD	B7							
NSD	B8							
NSD	B10							
6	C1	Bundle	Anthophyllite	11.5	1.2	9.6	X	Х
NSD	C2							
NSD	C3							
NSD	C4	**************************************			1	1		1
NSD	C5						******	***************************************
NSD	C6	***************************************			1	W. W		
NSD	C7	***************************************			1		<u> </u>	
NSD	C8			***************************************				***************************************
NSD	C9							***************************************
NSD	C10	(Carrier and Carr		oncervement cold (s) in the interest over a color of the interest over a c	***************************************			1
NSD	D1						<u> </u>	1
NSD	D2	, , , , , , , , , , , , , , , , , , , 					l	
NSD	D3	***************************************			***************************************			
NSD	D4							
NSD	D5							
NSD	D6	***************************************						
NSD	D7	***************************************						
NSD	D8							
NSD	D9	-	l				- Augustus and Aug	
NSD	D10		 					
NSD	G1				*******************************			
NSD	G2							-
7	G3	Bundle	Anthophyllite	11.5	1	11.5	Х	X
NSD	G4	Daridio	Anthophymic	11.0	<u>-</u>	11.0		
NSD	G5	~~ <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>						
NSD	G6	······································						
NSD	G7							
NSD	G8		 		**************************************			
NSD	G9	,						APPROXIMENTAL PROPERTY.
NSD	G10							
NSD	H1	***************************************	 				***************************************	
NSD	H2	MAT					***************************************	
NSD	H2 H3							<u> </u>
	H3							
NSD NSD	H5	*************	 					
NSD	H6	***						
NSD		*************************	ļ					***************************************
	H7							
NSD	H8							
NSD	H9							
NSD	H10						*****	

Project/ Sample No.	M69042-002		Grid Box #	8621	No. of Grids Counted	2
Analyst:	Anthony Keeton			Length	Width	G. O. Area
Date of Analysis	9/26/2018 - 9/28/2018 &10/27/2018 0.02000 Post Separation Taic Analysis		G. O. In microns =	105	105	11025
Initial Weight(g)			G. O. In mildons =	105	105	11025
Analysis Type			Grid Acceptance Yes	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	12%	G.O.s Counted	100
2	Screen Magnification	20 KX	Area Examined mm ^e			1.103

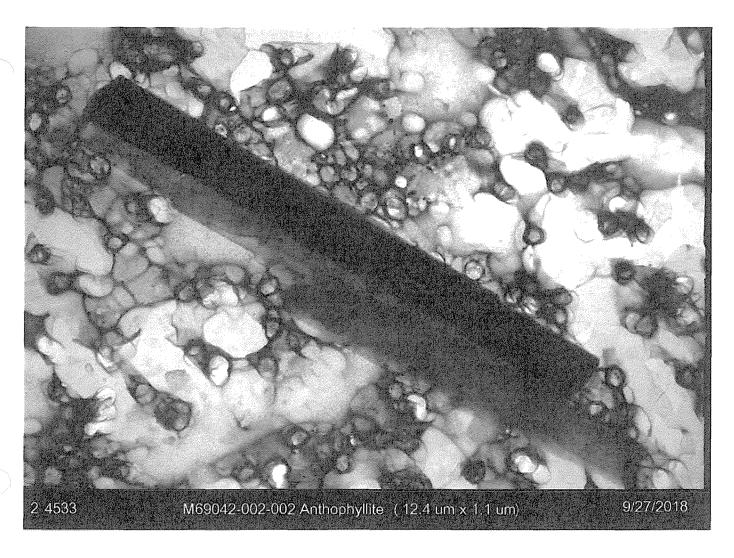
			Asbestos			······································		
Str.#	Grid Opening	Structure	Туре	Length	Width	Ratio	SAED	EDS
NSD	14	1		100000000000000000000000000000000000000				NAME OF TAXABLE PARTY.

	Sample Wt.	
Org. Sample	Post HL	
VV1.	Separation	
0.02000	0.02000]9
Percent of		7
Orig. Post		1
Separation	100	(%)
Wt. Of		7
Sample		1
Analyzed	0.00010965	9
Filter size	201.1	mm²
Number of		
Structures		
Counted	7	Str
Structures		7
per Gram of		
Sample	6.38E+04	Str./a

Case 3:16-md-02738-MAS-RLS Document 10712-7 Filed 10/07/19 Page 72 of 104 PageID: 100282



J3 Verified Asbestos Analysis (Y/N) - YES



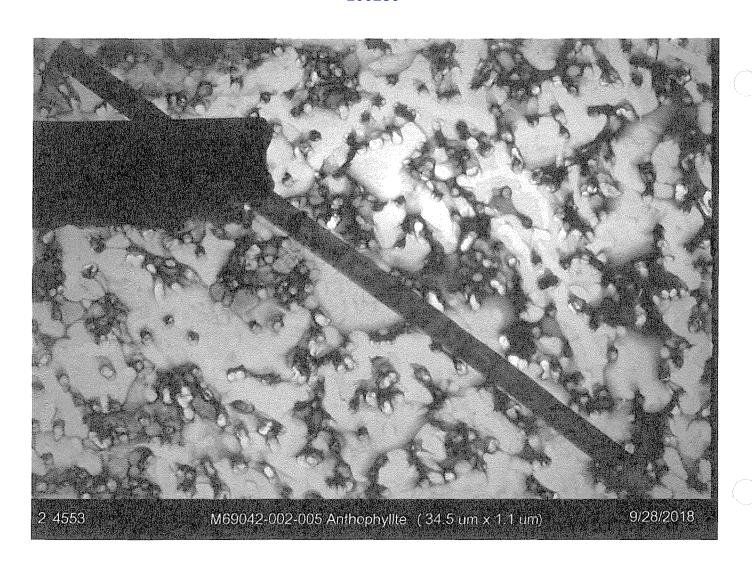
J3 Verified Asbestos Analysis (Y/N) - YES



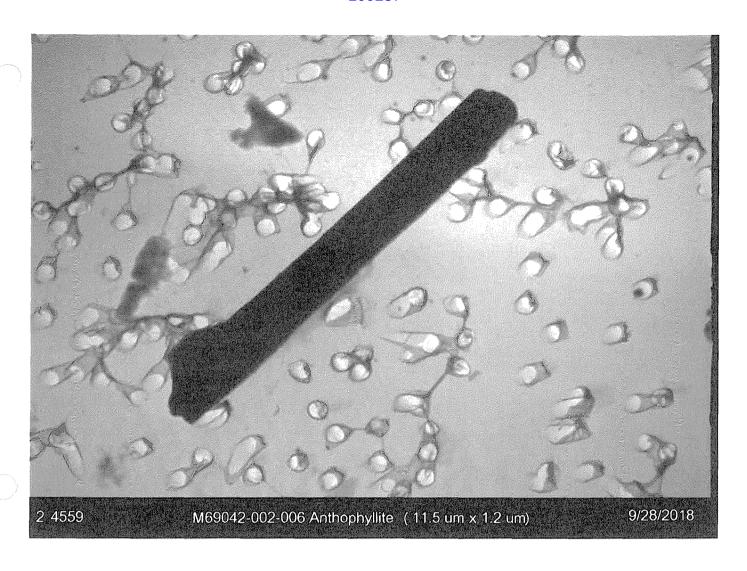
J3 Verified Asbestos Analysis (Y/N) - YES



J3 Verified Asbestos Analysis (Y/N) - YES



J3 Verified Asbestos Analysis (Y/N) - YES



J3 Verified Asbestos Analysis (Y/N) - YES



J3 Verified Asbestos Analysis (Y/N) - YES



Date: 31-Oct - 2018

Analyst: Lw Poye

Grid Square ID:

Structure No.	Length(µm)	Width(µm)	Type(F,B,C)	Sketch	ID	Verified(Y/N)
1/A8	4.5	0.4	Type(F,B,C) Cleav F	neg	Toren	NO
1/A8 2/F3	<i>4.5</i> 3.2	0.4	F		Toren Antho	Y
			***************************************		***************************************	

						-

<u> </u>		1	Annual Company of the		
Total No. of Structures: True Positives: False Positives: False Negatives:	2 <u>1</u>			PG. <u></u> of	
	• .				

WWW.MASTEST.COM

TEM Bulk Talc Structure Count Sheet								
Project/ Sample No.	M69042	-003	Grld Box#	8621	No. of Grids Counted	2		
Analyst:	Jayme C	allan		Length	Width	G, O, Area		
Date of Analysis	9/28/2018 - 10 10/27/2		G. O. in microns =	105	105	11025		
initial Weight(g)	0.020	25	G. C. III III GOIS -	105	105	11025		
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025		
Scope No.	Accelerating Voltage	100 KV	Loading%	15%	G.O.s Counted	100		
3	Screen Magnification	20 KX	Area Exa	nined mm²		1.103		

Str.# Grid Opening Structure Type Length Width Ratio NSD A2-A2 A3 A4 A5 A5 A6 A7	X	X
NSD A2-A2 A3 NSD A4 A4 NSD A5 A5 NSD A6 A6 NSD A7 A8 Bundle Tremolite 4.52 0.44 10.3 NSD A9 A9<		
NSD A3 NSD A4 NSD A5 NSD A6 NSD A7 1 A8 Bundle Tremolite 4.52 0.44 10.3 NSD A9 NSD	X	X
NSD A4 NSD A5 NSD A6 NSD A7 1 A8 Bundle Tremolite 4.52 0.44 10.3 NSD A9 A10	X	X
NSD A5 NSD A6 NSD A7 1 A8 Bundle Tremolite 4.52 0.44 10.3 NSD A9 NSD	X	X
NSD A6 NSD A7 1 A8 Bundle Tremolite 4.52 0.44 10.3 NSD A9 NSD A10 NSD NSD <td>X</td> <td>X</td>	X	X
NSD A7 Image: square s		X
1 A8 Bundle Tremolite 4.52 0.44 10.3 NSD A9 NSD A10 NSD B2 NSD B3 NSD B4 NSD B5 NSD B5 NSD B6 NSD B6 NSD B7 NSD B8		X
NSD A9 NSD A10 NSD B2 NSD B3 NSD B4 NSD B5 NSD B6 NSD B7 NSD B8		
NSD A10 NSD B2 NSD B3 NSD B4 NSD B5 NSD B6 NSD B7 NSD B8		
NSD B2 NSD B3 NSD B4 NSD B5 NSD B6 NSD B6 NSD B7 NSD B8		
NSD B3 NSD B4 NSD B5 NSD B6 NSD B7 NSD B8		
NSD 84 NSD B5 NSD B6 NSD B7 NSD B8		
NSD B5 NSD B6 NSD B7 NSD B8		
NSD B6 NSD B7 NSD B8		ļ
NSD B7		
NSD B8		

NSD B9		
NSD B10		
NSD C1		
NSD C2		
NSD C3		
NSD C4		
NSD C8	der Programma and a single from the supplementation of the single from the sindicate from the single from the single from the single from the	
NSD C9		
NSD C10		
NSD D1		<u> </u>
NSD D2		
NSD D3	***************************************	
NSD D4		
NSD D6		
NSD D8	**************************************	
NSD D9		
NSD D10		
NSD E1		

NSD E2		ļ
NSD E3		
NSD E7		
NSD E8		
NSD E9		ļ
NSD E10	en e	
NSD F1		
NSD F2		
NSD F3		
NSD F4		,
NSD F5		
NSD F6		
NSD F7		
NSD F8	-	***************************************
NSD F9		
NSD F10		

		TEM	Bulk Talc Structure C	ount Sheet			
Project/ Sample No.	M69042-003		Grid Box#	8621	No. of Grids Counted	2	
Analyst:	Jayme C	allan		Length	Width	G. O. Area	
Date of Analysis	9/28/2018 - 10/1/2018 & 10/27/2018 0.02025 Post Separation Talc Analysis				105	105	11025
Initial Weight(g)			G. O. III III GOIS -	105	105	11025	
Analysis Type			Grid Acceptance	Yes	Average	11025	
Scopa No.	Accelerating Voltege	100 KV	Loading%	15%	G.O.s Counted	100	
3	Screen Magnification	20 KX	Area Examined mm ²			1.103	

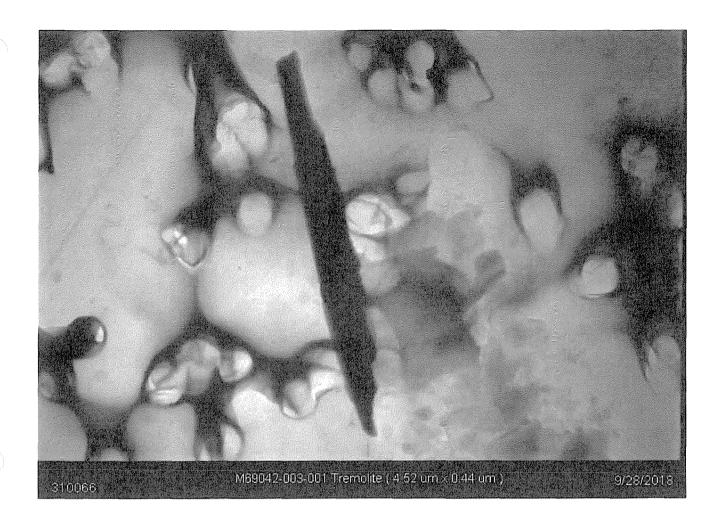
			Asbestos					
Str.#	Grid Opening	Structure	Туре	Length	Width	Ratio	SAED	EDS
NSD	A1-B1							
NSD	B2							
NSD	B3							
NSD	84			····				
NSD	B5							
NSD	B6							
NSD	В7							
NSD	B9			3				
NSD	B10							
NSD	C1		1		1			
NSD	G2	*****						
NSD	C3	***************************************			<u> </u>			
NSD	C4			***************************************		 		
NSD	C5				 			
NSD	C6				 			
NSD	C7				 			
NSD	C8		 					
NSD	C9	*****	 		 			
NSD	C10		 			<u> </u>		
NSD	F1							
NSD	F2			***************************************	<u> </u>			
		Pundle	Anthonbudlito	3.4	0.42			
2	F3	Bundle	Anthophyllite	3.4	0.42	8.1	<u> </u>	X
NSD	F4							
NSD	F5							
NSD	F6		ļ		ļ			
NSD	F7		-					
NSD	F8	***************************************						
NSD	F9							
NSD	F10							
NSD	H1			~~~				
NSD	H2	····		······································				
NSD	H3				<u> </u>			
NSD	H4							
NSD	H5							
NSD	H6							
NSD	H7							
NSD	H8							
NSD	H9							
NSD	H10							
NSD	11							
NSD	12							
NSD	13				T			
NSD	14							
NSD	15			0-1-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-				
NSD	16							
NSD	17			·	 			
NSD	18 1							
NSD	19	***************************************		······································	***************************************			
NSD	1 110							
NSD	 		 	***************************************		<u> </u>		

		entre autoriore de la company de la comp		-	en production de la constantidad de	The second secon
Project/ Sample No.	M69042-003		Grid Box#	8621	No. of Grids Counted	2
Analyst:	Jayme C	ellan		Length	Width	G. O. Area
Date of Analysis	9/28/2018 - 10/1/2018 & 10/27/2018 0.02025 Post Separation Taic Analysis		G. O. in microns =	105	105	11025
Initial Weight(g)			G, O. III milerons	105	105	11025
Analysis Type			Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	15%	G.O.s Counted	100
3	Screen Magnification	20 KX	Area Exa		1,103	

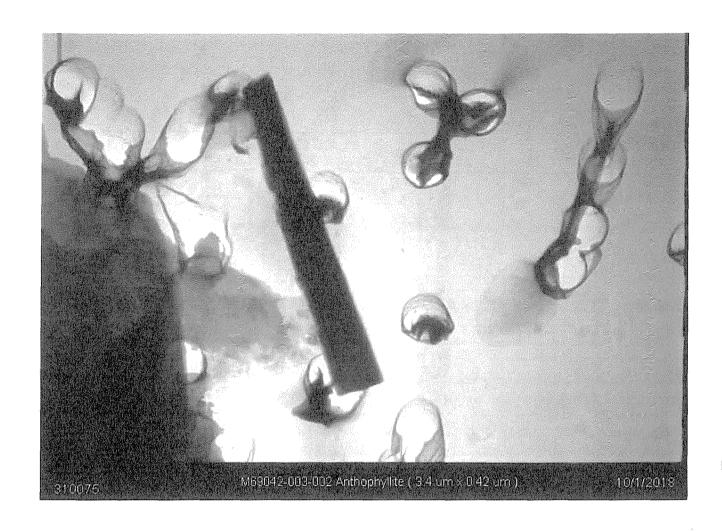
				Asbestos		A PROPERTY OF THE PARTY OF THE			
-	Str. #	Grid Opening	Structure	Type	Length	Width	Ratio	SAED	ED8

	Sample Wt.	
Org. Sample	Post HL	
Wt.	Separation	
0.02025	0.02025	g
Percent of		1
Orig. Post		
Separation	100	(%)
	**************************************	•
WL 01		1
Sample		
Analyzed	0.00011102	g
Filter stze	.201.1	mm²
Number of		Ī
Structures		
Counted	2	Str.
Structures		
per Gram of		
Sample	1.80E+04	Str./g

Detection Limit	9.01E+03	Str./g
Analytical Sanathyliv	9.01E+03	Str./a



J3 Verified Asbestos Analysis? - NO Cleavage Fragment



J3 Verified Asbestos Analysis (Y/N) - YES



Date: 31-Oct-2018

Verified Analysis Count Sheet
SampleID: M69042-004
Analyst: Lw Peye
Grid Square ID:

Structure No.	enath(um)	\\idth(um)	Tuno/E D O	Ckatab	ID	Varified(VIN)
		Width(µm)	Type(F,B,C)	SketCU	-	Verified(Y/N)
1/AB	14	0.4	B	****	Auth	Y
1/AB 2/F1 3/E3	13	0.35	B		Auth Auth Auth	Y
3/E3	13	0.5	B		Anth	Y

Project/ Sample No.	M69042-004		Grld Box#	8633	No. of Grids Counted	2
Analyst:	Jaymø C	allan		Length	Width	G. O. Area
Date of Analysis	10/15/2018 - 10 10/28/2		G. O. In microns =	105	105	11025
Initial Weight(g)	0.030	32	G. O. in microns =	105	105	11025
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
3	Screen Magnification	20 KX	Area Exemined mm ²		1.103	

<u> </u>	T		Asbestos				r	
Str.#	Grid Opening	Structure	Type	Length	Width	Ratio	SAED	EDS
NSD	E6-A1	Onderero	1750	Longin	77.0251	1,100	ORLD	1
NSD	A2				 	 		
NSD	A4					 		
NSD	A5			***************************************		 	***************************************	-
NSD	A6		 					
NSD	A7							
1	A8	Fiber	Anthophyllite	13.4	0.4	33.5	X	l x
NSD	B1	1 1001	Anthopitymie	13.4	U,**	33.3		 ^
NSD	B2							
NSD	B3		 					
NSD	B4					 		
NSD	B5		 					
NSD	B6		 					
NSD	B7		-	w(mane)	<u> </u>		***************************************	
NSD	B8							
	C1		<u> </u>				·····	
NSD	C2							
NSD			ļ					ļ
NSD	C3				ļ			
NSD	C4						***************************************	
NSD	C5						-	
NSD	C6						**************************************	
NSD	C7							******************************
NSD .	C8							
NSD	C9							
NSD	D1							
NSD	D2							
NSD	D3							
NSD	D4							
NSD	D5							
NSD	D6							
NSD	D7							
NSD	D8							
NSD	D9							
NSD	D10							
NSD	E1							
NSD	E2							
NSD	E3					Announced ministring agreement		
NSD	E4							
NSD	E5	and the second s						
NSD	E6			and the second s			no amenina di mandala d	
NSD	E7	***			***************************************			Commence of the Comment of the Comme
NSD	E8	and the second s				-	akkiniki kiri, manana asaanin maha sikerang <u>a manana asaan</u>	
NSD	E9				***************************************			***************************************
NSD	E10				*		****	
2	F1	Bundle	Anthophyllite	4.2	0.38	11.1	Х	Х
NSD	F2							
NSD	F3							
NSD	F4							·
NSD	F5				*		**************************************	
NSD	F6				***************************************		enter de la companya	
	4		L.					_

		TEM	Bulk Talc Structure C	ount Sheet		
Project/ Sample No.	M69042	-004	Grid Box# 863		No. of Grida Counted	2
Analyst:	Jayme C	allan		Length	Width	G. O. Area
Date of Analysis	10/15/2018 - 10 10/28/2	100	G. O. In microns =	105	105	11025
Initial Weight(g)	0.030	32	G, O. in microns –	105	105	11025
Analysis Type	Post Separation	Talc Analysis	Grld Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
3	Screen Magnification	20 KX	Area Exa	nined mm²		1.103

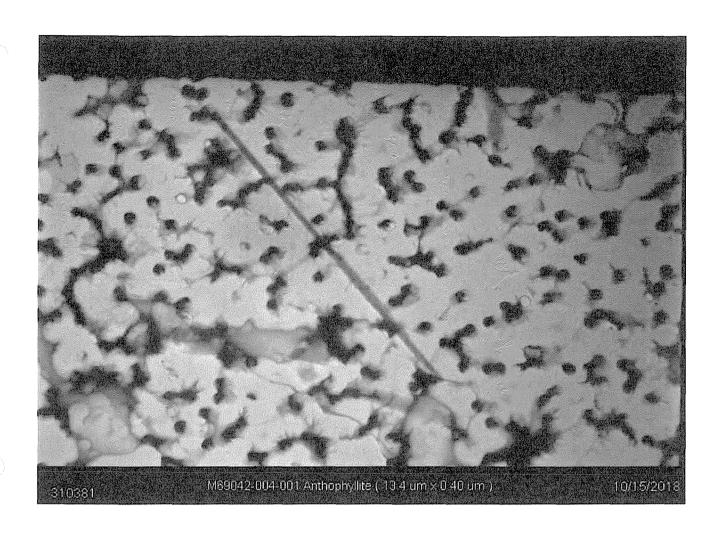
			Asbestos		1		1	1
Str.#	Grid Opening	Structure	Туре	Length	Width	Ratio	SAED	EDS
NSD	A2-A1							
NSD	A2							
NSD	A3							1
NSD	A4							
NSD	A5			***************************************	***************************************	· · · · · · · · · · · · · · · · · · ·	<u> </u>	1
NSD	A6				<u> </u>	l		<u> </u>
NSD	A7			-	1		***************************************	1
NSD	A8			**************************************	 			
NSD	A9							
NSD	A10				 			
NSD	B1							-
NSD	B2			-			 	-
NSD	B3					 		
NSD	B4				-			
NSD	B5					 	 	
NSD	B6					 		
								
NSD	B7							
NSD	B8				ļ	ļ		
NSD	B9			***************				
NSD	B10							
NSD	C1							
NSD	C2							
NSD	C3							
NSD	C4							
NSD	C5							
NSD	C6							
NSD	C7							
NSD	C8							
NSD	C9							
NSD	C10							
NSD	D1			**************************************				
NSD	D2						***************************************	1
NSD	D3	***************************************		************************				
NSD	D4			·············				
NSD	D5	***************************************						
NSD	D6					# 10 mm 1	•••	
NSD	D7							<u> </u>
NSD	D8							
NSD	D9							
NSD	D10				 		x	
NSD	E2	9777 100 400 100						
3	E3	Bundle	Anthophyllite	13.4	0.63	21.3		
NSD	E4	Duiluia	Withobushite	13.4	0.03	21,3	X	X
NSD	E4 E5			***************************************			L	
NSD	E6			····				
NSD	E7	**************************************						ļ
NSD	E8	-						
NSD	E10							<u></u>
NSD	F3							
NSD	F4							

Project/ Sample No.	M69042-004		Grid Box#	8633	No. of Grids Counted	2
Analyst:	Jayme C	allan		Length	Width	G. O. Area
Date of Analysis	10/15/2018 - 10 10/28/2	2/2	G. O. in microns =	105	105	11025
initial Weight(g)	0.030	32	G. O. In microns =	105 Yes	105	11025 11025
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance		Average	
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
3	Screen Magnification	20 KX	Area Examined mm*			1.103

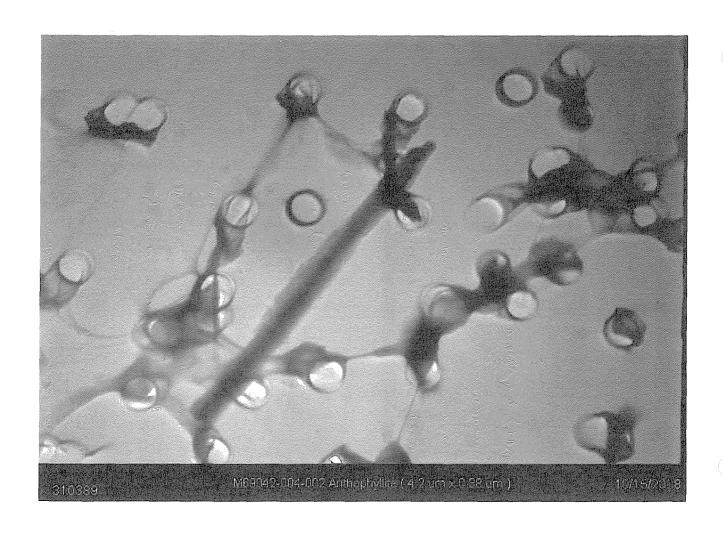
			Asbestos					
Str. #	Grid Opening	Structure	Туре	Longth	Width	Ratio	SAED	EDS

	Sample Wt.	
Org. Sample	Post HL	
Wt.	Separation	
0.03032	0.03032]g
Percent of		1
Orig. Post		1
Separation	100	(%)
Wt. Of		1
Sample		
Analyzed	0.00016622	g
Filter size	201.1]mm²
Number of		1
Structures		1
Counted	3	Str.
Structures		1
per Gram of		
Sample	1.80E+04	Str./g

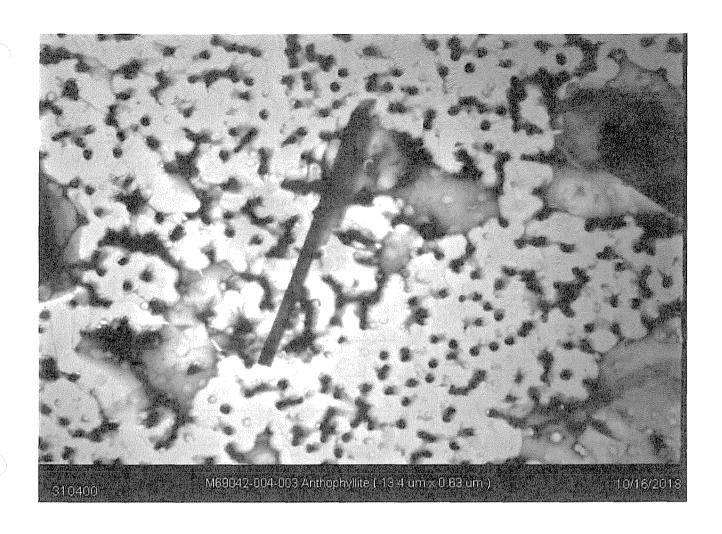
Detection Limit	6.02E+03	Str./g
Analytical Sensitivity	6.02E+03	Str./g



J3 Verified Asbestos Analysis (Y/N) - YES



J3 Verified Asbestos Analysis (Y/N) - YES



J3 Verified Asbestos Analysis (Y/N) - YES



Date: 31-Oct-2018

Analyst: Lw Poye

Grid Square ID:

Structure No.	Length(µm)	Width(µm)	Type(F,B,C)	Sketch	ID	Verified(Y/N)
1/c2	4	0.5	B		Anth	Y
2/B1 3/C6	8	1.5 0.5	B		Anth Anth Anth	Y
3/06	5	0.5	B		Auth	Y
		······································				
	demonstrate and control of the contr	AT		***************************************		
				an managaman na kata na pagagaga ka		
					No. 100 See and the second	
	Secretario de colo 1990 de la chesta de colo d					
		AMMONTO Planta in the control of the				
A PARTICULAR PROPERTY OF THE PARTICULAR PROPERTY						ANA SA

Total No. of Structures: 3	
True Positives: 3	no 1 . 1
False Positives:	PG. <u>J</u> of (
False Negatives:	

WWW.MASTEST.COM

		IEM	Bulk Talc Structure C	ount sneet		
Project/ Sample No.	M69042-008		Grid Box#	8633	No. of Grids Counted	2
Analyst:	Anthony K	Geeton		Length	Width	G. O. Area
Date of Analysis	10/18/2018 - 10 10/28/20118 -	100	G. O. In microns =	105	105	11025
Initial Weight(g)	0.030	0.0303		105	105	11025
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	15%	G.O.s Counted	100
2	Screen Magnification	20 KX	Area Examined mm²		1.103	

		_	Asbestos					
Str.#	Grid Opening	Structure	Туре	Length	Width	Ratio	SAED	EDS
NSD	C1-A1							
NSD	A2							
NSD	A3							
NSD	A4							
NSD	A5							
NSD	A6							
NSD	A7							
NSD	A8							
NSD	A9							1
NSD	A10							
NSD	B1							
NSD	B2	b	1	************		 	l	
NSD	B3					 	l	
NSD	B4			***************************************		 	<u> </u>	
NSD	B5			***************************************				—
NSD	B6		1	**************************************				
NSD	B7				 	 		
NSD	B8				 	 	 	t
NSD	B9				 	 	 	
NSD	B10					 		
NSD	C1		·					
1	G2	Bundle	Anthonicality	3.9	0.5	7.8		
		bundle	Anthophyllite	3.8	0.5	1.0	Х	X
NSD	C3							
NSD	C4				ļ			
NSD	C5							
NSD	C6	p4;						
NSD	C7			 				
NSD	C8	***************************************				<u> </u>	<u></u>	<u> </u>
NSD	C9	<u></u>		***				
NSD	C10							
NSD	D1							
NSD	D2							
NSD	D3							
NSD	D4							
NSD	D5							
NSD	D6							
NSD	D7							
NSD	DB							
NSD	D9			<u> </u>				
NSD	D10	· · · · · · · · · · · · · · · · · · ·					***************************************	
NSD	E1							l
NSD	E2			***************************************			***************************************	
NSD	E3						·····	
NSD	E4	· · · · · · · · · · · · · · · · · · ·	 					
NSD	E5		 					
NSD	E6	··········						
NSD	E7						**************************************	
NSD	E8		 					
NSD	E9		 					
NSD	E10	***************************************	 					
	E10		<u> </u>			L		<u> </u>

		TEM	Bulk Talc Structure C	ount Sheet		
Project/ Sample No.	M69042	-008	Grid Box # 8633		No. of Grids Counted	2
Anelyst:	Anthony k	(eeton		Length	Width	G. O. Area
Date of Analysis	10/18/2018 - 10 10/28/20118 -	1/30	G. O. In microns =	105	105	11025
Initial Weight(g)	0.030	3	G. O. III MICIONS =	105	105	11025
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	15%	G.O.a Counted	100
2	Screen Magnification	20 KX	Area Exa	mined mm²	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.103

Str.#	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
NSD	C2-A1	Structure	1998	ralidili	VAIGUI	Rano	JALU	- 503
NSD	A2					<u> </u>		
NSD	A3							<u> </u>
NSD	A3 A4				***************************************		***************************************	
NSD	A5							
NSD	A6							
	A7						***************************************	
NSD								
NSD	A8						-	
NSD	A9			2000-01-01-01-01-01-01-01-01-01-01-01-01-				
NSD	A10							
2	B1	Bundle	Anthophyllite	7.8	1.5	5.2	X	Х
NSD	B2							
NSD	B3						-	
NSD	B4							
NSD	B5							
NSD	B6							
NSD	B7							
NSD	B8							
NSD	B9			and the second s		***************************************		
NSD	B10			<u> </u>			***************************************	
NSD	C1						**************************************	
NSD	C2							-
NSD	C3					-	ىلىنتىدىدىدىدىدىدىدىدىدىدىدىدىدىدىدىدىدىدى	
NSD	C4						***************************************	
NSD	C5							
3	C6	Bundle	Anthophyllite	5.3	0.5	10.6	X	Х
NSD	C7	Dande	Anthophymic	0.0	U.5	10.0		
	C8 C						***************************************	
NSD	C0							
NSD	C9	*****					**************	
NSD	C10					***************************************		
NSD	D1							
NSD	D2							ļ
NSD	D3							
NSD	D4						-	
NSD	D5							
NSD	D6						***************************************	
NSD	D7							
NSD	D8							
NSD	D9							
NSD	D10							
NSD	G1							The state of the s
NSD	G2			9926.000ce10099999;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;				
NSD	G3							
NSD	G4	**************************************						
NSD	G5						······································	
NSD	G6				***************************************			
NSD	G7	and the second s		agas arang pang di 1994 di 1994 di 1994 mang ang ang ang ang ang ang ang ang ang				
NSD	G8							
NSD	G9 G9						-	I
NSD	G10						idental grande and a second and a	
UCFI]					4		i

Project/ Sample No.	M69042-008		Grid Box #	8633	No. of Grids Counted	2
Analyst:	Anthony Keet	ton		Length	Width	G. O. Area
Date of Analysis	10/18/2018 - 10/19 10/28/20118 - 10/2	18%	G. O. In microns =	105	105	11025
Initial Weight(g)	0.0303		G. O. In microns =	105	105	11025
Analysis Type	Post Separation Tale	c Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	15%	G.O.s Counted	100
2	Screen // Magnification //	20 KX	Area Exa	nined mm²		1,103

			Asbestos					
Str. #	Grid Opening	Structure	Туре	Longtin	Width	Ratio	SAED	EDS

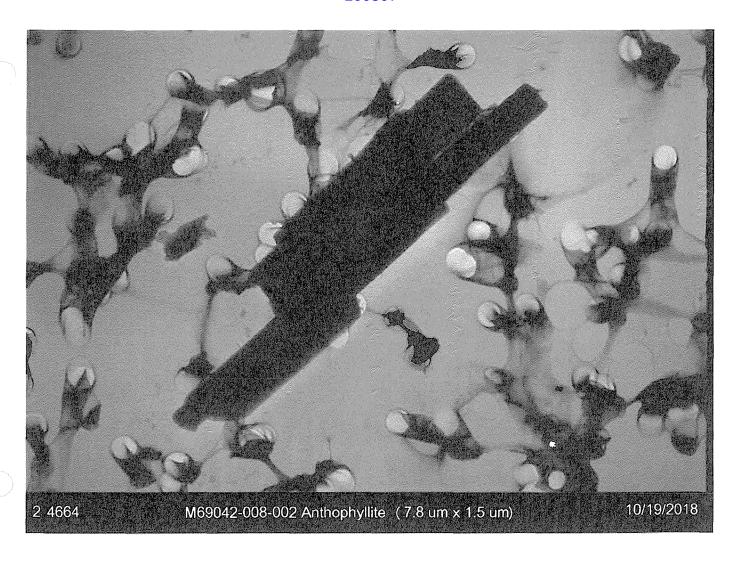
Org. Sample	Post HL	
Wt.	Separation	
.0.03030	0.03030	g
Percent of		
Orig. Post		
Separation	100	(%)
Wt. Of		7
Sample		1
Analyzed	0.00016612	g
Filter size	201.1	mm²
Number of		7
Structures		
Counted	3	Str.
Structures		1
per Gram of		1
Sample	1.81E+04	Str./a

Sample Wt.

Detection Limit	6.02E+03	Str./g
Analytical Sensitivity	6.02E+03	Str./a

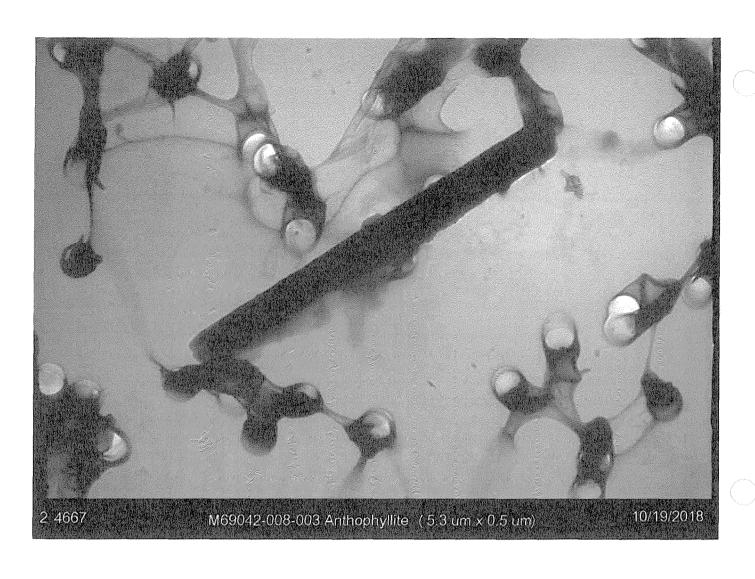


J3 Verified Asbestos Analysis (Y/N) - YES



J3 Verified Asbestos Analysis (Y/N) - YES

Case 3:16-md-02738-MAS-RLS Document 10712-7 Filed 10/07/19 Page 98 of 104 PageID: 100308



J3 Verified Asbestos Analysis (Y/N) - YES



	Verified Analysis Count Sheet
Date: 31-0c+-2018	SampleID: M69042-010
Analyst: Lw Poye	Grid Square ID:

	- , ,					
Structure No.		Width(µm)	Type(F,B,C)	Sketch	ID	Verified(Y/N)
1/F5	9	1.5	B		Auth	Y
1/F5 2/A9	8.5	1.5 0.5	B		Auth Auth	Y
					~ * * * * * * * * * * * * * * * * * * *	

Total No. of Structures: True Positives: False Positives:	2 2	PG. J of
False Positives: False Negatives:	<u>Ø</u>	PG <u>/_</u> or

		TEM	Bulk Talc Structure C	Count Sheet						
Project/ Sample No.	M69042-010 Grid Box # 8633		No. of Grids Counted	2						
Analyst:	Jayme C	allan	Length Width		Length Width		Length Width	Length Width G.	Length Width C	G. O. Area
Date of Analysis	10/19/2018 & 1	10/29/2018	G. O. In microns =	105	105	11025				
initial Weight(g)	0.0292	22	G. O. III Inicions =	105	105	11025				
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025				
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100				
3	Screen Magnification	20 KX	Area Examined mm²		1.103					

		***************************************	Asbestos	MADE DE LEGICIONE	<u> </u>			1
Str.#	Grid Opening	Structure	Type	Length	Width	Ratio	SAED	EDS
NSD	E1-B1							
NSD	B2							
NSD	B3							
NSD	B4							
NSD	B5							T
NSD	B6							
NSD	B7							
NSD	B8							
NSD	B9							
NSD	C1							
NSD	C2	MANAGEM CONTRACTOR OF THE STATE						-
NSD	C3	***************************************				1		
NSD	C4							1
NSD	C5	40000 - 1				1		
NSD	C6							1
NSD	C8	**************************************						1
NSD	C9			********************************		İ		†
NSD	C10	**************************************		administration and the second	***************************************			1
NSD	D1	ANTERIO DE PORTO DE PROPERCIONA DE LA CONTRACTORIO DE CONTRACT		elektrika ang pang pang pang pang pang pang pang				
NSD	D2	***************************************			<u> </u>			-
NSD	D3			····				-
NSD	D7			~~~ <u>~~~~~~~~~~~~</u>		·		
NSD	D8			**************************************	***************************************			
NSD	D9				 		<u> </u>	
NSD	D10	,	i			 	<u> </u>	
NSD	EÍ				 	 		
NSD	E2	******************************		*************************				
NSD	<u>E6</u>		-	***************************************	 			
NSD	E7		 	***************************************			l	
NSD	E8			marani aya ayaa aa				
NSD	E9							
NSD	E10		<u> </u>					
NSD	F3							
NSD	F4							
1	F5 F5	Bundle	Anthophyllite	9.2	1.5	6.1	Х	Х
NSD	F6	Dunde	/ Anniophyside	J.L	1.3	0.1	^	 ^
NSD	F7		 	·····		 		
NSD	F8 F8		 					
NSD	F9		 					
NSD	F10							
NSD	G1		 					<u> </u>
NSD	G2			***************************************				
NSD	G2 G3	***************************************						
NSD	G3 G4				***************************************	 		
NSD	G5 G5					·		
								
NSD	G6							***************************************
NSD	G7							
NSD	G8		ļ					
NSD	G9		 					
NSD	G10							<u> </u>

		TEM	Bulk Talc Structure C	ount Sheet		
Project/ Sample No.	M69042	-010	Grid Box #	8633	No. of Grids Counted	2
Analyst:	Jayme C	allan		Length	Width	G. O. Area
Date of Analysis	10/19/2018 & 1	10/29/2018	G. O. In microns =	105	105	11025
Initial Weight(g)	0.029	22	G. O. III MIGONS -	105	105	11025
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
3	Screen Magnification	20 KX	Area Exa	nined mm²		1.103

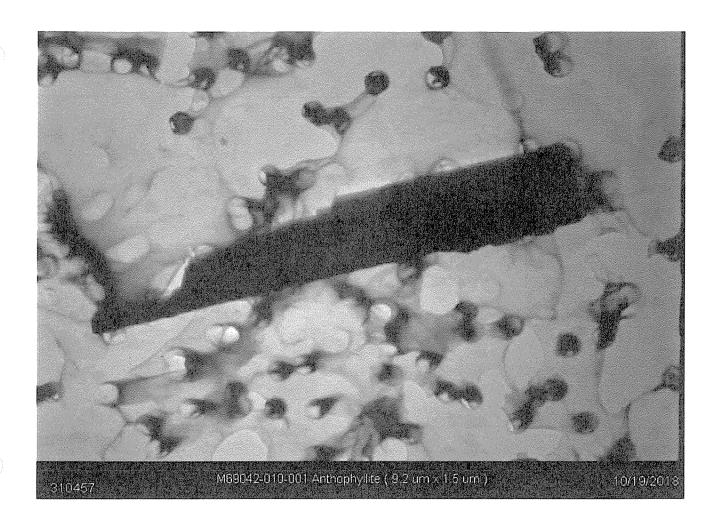
COLUMN CONTRACTOR OF THE COLUMN COLUM	1		Asbestos		1	T	1	T
Str.#	Grid Opening	Structure	Туре	Length	Width	Ratio	SAED	EDS
NSD	E2-A1							
NSD	A2							
NSD	A3							
NSD	A4							
NSD	A5							1
NSD	A6							
NSD	A7							
NSD	A8							
2	A9	Bundle	Anthophyllite	8.9	0.42	21,2	X	X
NSD	A10	E-marilly and a second				<u> </u>	1	
NSD	B1							1
NSD	B2	****	·	***************************************	1			1
NSD	B3							1
NSD	B4			***************************************				-
NSD	B5		***************************************					†
NSD	B6	***************************************						
NSD	B7					 	<u> </u>	
NSD	B8		 					
NSD	B9		 		 	 	 	<u> </u>
NSD	B10				 			
NSD	C1				 			
NSD	C2				 			
	C3	·	 		 	ļ	 	
NSD NSD	C3							<u> </u>
NSD	C5						ļ	
	C5						 	ļ
NSD	C6		ļ					ļ
NSD	C7							
NSD	C8							
NSD	C9			***************************************			<u></u>	
NSD	C10							
NSD	D1							
NSD	D2							
NSD	D3							
NSD	D4							
NSD	D5							
NSD	D6							
NSD	D7							
NSD	D8							
NSD	D9	Service Program and the Control of t		4477		****************		
NSD	D10							
NSD	E1							
NSD	E2	***************************************						
NSD	E3							
NSD	E4							
NSD	E5							
NSD	E6							
NSD	E7							
NSD	E8							
NSD	E9							
NSD	E10							
			Andrew Comments of the Comment	Designation of the last of the	Antonia de la constanta de la c		kanananan man	THE PERSON NAMED IN COLUMN

	·	TEM	Bulk Talc Structure C	ount Sheet		
Project/ Sample No.	M69042-010 Jayme Callan		Grid Box#	8633	No. of Grids Counted	2
Analyst:				Length	Width	G. O. Area
Date of Analysis	10/19/2018 & 10/29/2018 0.02922 Post Separation Taic Analysis		G, O, In microns =	105	105	11025
initial Weight(g)				105	105	11025
Analysis Type			Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
3	Screen Magnification	20 KX	Area Examined mm ^a		1,103	

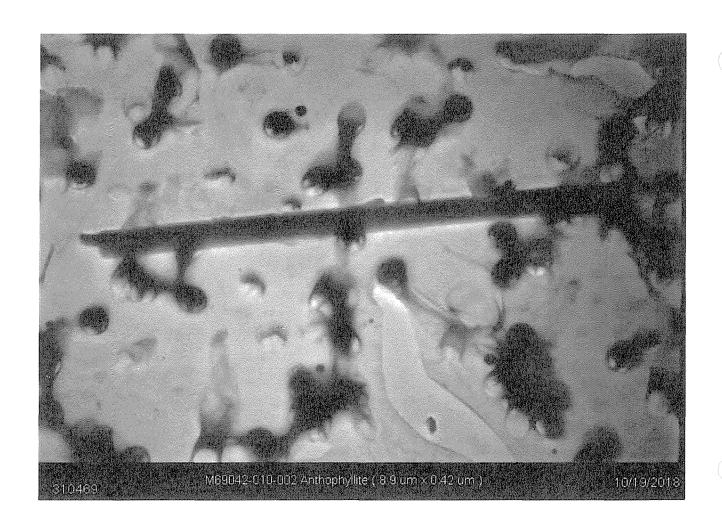
		T T	Asbestos		l				
Str.#	Grid Opening	Structure	Type	Longth	Width	Ratio	SAED	ED8	

	Sample Wt.	
Org. Sample	Post HL	
Wt.	Separation	
0.02922	0.02922	g
Percent of		
Orig. Post		
Separation	100	(%)
		-
WI. Of		1
Sample		1
Analyzed	0.00016019	g
Filter size	201.1	mm²
Number of		[
Structures		
Counted	2	Str.
Structures		ĺ
per Gram of		
Sample	1.25E+04	Str./g

Detection Limit	6.24E+03	Str./g
Analytical Sensitivity	6.24E+03	Str./g



J3 Verified Asbestos Analysis (Y/N) - YES



J3 Verified Asbestos Analysis (Y/N) - YES